

THE [No. 118]
Maine Farmers' Almanac
FOR THE YEAR OF OUR LORD
1936

It being BISSEXTILE OR LEAP YEAR, and the one hundred sixtieth
one hundred sixty-first of our

COUNTRY'S INDEPENDENCE

The Astronomical Computations are made

for Lat. $44^{\circ} 18.4' N.$ and Long. $69^{\circ} 47.0' W.$
or the Latitude and Longitude of the Capitol of the State of Maine, at
Augusta, and are given in Eastern Standard Time, or the time
of the seventy-fifth meridian west from Greenwich.

Area of the State, 33,040 Square Miles. Population in 1930, 800,056

DANIEL ROBINSON



A flower unblown; a book unread;
A tree with fruit unharvested;
This is the year that for you waits
Beyond to-morrow's mystic gates.

AUGUSTA

CHARLES E. NASH & SON

PRICE FIFTEEN CENTS



Calendar, 1937



JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	2	..	1	2	3	4	5	6	..	1	2	3	4	5	6
3	4	5	6	7	8	9	..	8	9	10	11	12	13	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	..	..	..	..	..	..	28	29	30	31	..	..	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	1	2	3	..	..	..	..	..	..	1	..	1	2	3	4	5	6
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30	..	23	24	25	26	27	28	29	27	28	29	30	..	..	..
..	..	..	..	..	..	..	30	31	..	..	..	..	..	..	..	..	..	..	..	..

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	1	2	3	1	2	3	4	5	6	7	..	1	2	3	4	5	6
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31	..	..	..	..	26	27	28	29	30	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
24	25	26	27	28	29	30	28	29	30	..	..	..	..	26	27	28	29	30	31	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

UNITED STATES WEIGHTS AND MEASURES

Apothecaries' Weight—20 grains=1 scruple; 3 scruples=1 dram; 8 drams=1 ounce; 12 ounces=1 pound.

The *grain* is the same in troy, apothecaries and avoirdupois weight.

Avoirdupois Weight (short ton)—27 11-32 grains=1 dram; 16 drams=1 ounce; 16 ounces=1 pound; 25 pounds=1 quarter; 4 quarters=1 cwt.; 20 cwt.=1 ton.

In troy and apothecaries weight the *grain, ounce, and pound* are the same.

Avoirdupois Weight (long ton)—27 11-32 grains=1 dram; 16 drams=1 ounce; 16 ounces=1 pound; 112 pounds=1 cwt.; 20 cwt.=1 ton.

Troy Weight—24 grains=1 pennyweight; 20 pennyweights=1 ounce; 12 ounces=1 pound.

A troy lb.=.82286 avoirdupois lb.; an avoirdupois lb.=1.21528 troy or apoth. lb. A troy oz.=1.09714 avoird. oz.; an avoird. oz.=.911458 troy or apoth. oz.

Circular Measure—60 seconds=1 minute; 60 minutes=1 degree; 30 degrees=1 sign; 12 signs=1 circle or circumference.

Cubic Measure—1,728 cubic inches=1 cubic foot; 27 cubic feet=1 cubic yard.

Dry Measure—2 pints=1 quart; 8 quarts=1 peck; 4 pecks=1 bushel.

Liquid Measure—4 gills=1 pint; 2 pints=1 quart; 4 quarts=1 gallon; 31½ gallons=1 barrel; 2 barrels=1 hogshead.

Long Measure—12 inches=1 foot; 3 feet=1 yard; 5½ yards=1 rod or pole; 40 rods=1 furlong; 8 furlongs=1 statute mile (1,760 yards or 5,280 feet); 3 miles=1 league.

Paper Measure—24 sheets=1 quire; 20 quires=1 ream; (480 sheets—now commonly 500); 2 reams=1 bundle; 5 bundles=1 bale.

Square Measure—144 square inches=1 square foot; 9 square feet=1 square yard; 30¼ square yards=1 square rod or perch; 40 square rods=1 rood; 4 roods=1 acre; 640 acres=1 square mile; 36 square miles (6 miles square)=1 township.

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AUGUSTA
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EDITOR'S NOTES.—Rena writes, "My warmest regards to 'Wife & I' for their witty verses and warning to Milton in last year's almanac." W. H. K. sends best wishes to all and writes, "Am pleased to see so many new names in the puzzle department. When our faculties are shrinking and we cannot do much thinking, and it's mighty hard to get our brains to work,—as we find we're getting rusty and our memory not trusty, and all our means of study want to shirk, it is very gratifying, as we find our talents dying, to feel that there will never be a lack of those to keep things humming, for there are new ones coming to take our places in the Almanac." Milton sends best wishes to all the faithful and a cordial greeting to the new comers and says that there is much entertainment in the puzzles and that he finds this matching of wits good mental discipline.

Yinx, H. W., and Jacob F. Coombs are new names in the Almanac circle this year. We all welcome them and hope they will become regular contributors.

Those wishing to follow the course of the planets will find it easier to do so from the increased data given on page 3. Send communications as early as June 1, to the publishers, Charles E. Nash & Son, Augusta, Maine, and they will reach the Editor in due time.

THE EDITOR

1936 Festivals, Anniversaries and Holidays

January 1, Wednesday, *New Year's Day*
January 6, Monday, *Epiphany* or Twelfth Day
February 22, Saturday, *Washington's Birthday*
February 23, Sunday, *Quinquagesima* or Shrove Sunday
February 26, Wednesday, *Ash Wednesday*, Lent begins
March 17, Tuesday, *St. Patrick's Day*
March 25, Wednesday, *Lady Day*
April 5, Sunday, *Palm Sunday*
April 10, Friday, *Good Friday*
April 12, Sunday, *Easter*
April 19, Sunday, *Patriot's Day*
May 17, Sunday, *Rogation*
May 30, Saturday, *Memorial Day*
May 31, Sunday, *Pentecost*, or Whit Sunday
June 7, Sunday, *Trinity*
June 11, Thursday, *Corpus Christi*
June 17, Wednesday, *Bunker Hill Day*
July 4, Saturday, *Independence Day*
August 1, Saturday, *Lammas*
September 7, Monday, *Labor Day*
September 17, Thursday, *Rosh Hashanah*, Hebrew New Year
September 26, Saturday, *Yom Kippur*
September 29, Tuesday, *Michaelmas*
October 12, Monday, *Columbus Day*
October 31, Saturday, *Hallowe'en*
November 3, Tuesday, *Election Day*
November 11, Wednesday, *Martinmas*
November 26, Thursday, *Thanksgiving Day*
November 29, Sunday, *Advent*
December 22, Tuesday, *Plymouth Pilgrim's Day*
December 25, Friday, *Christmas*
December 31, Thursday, *Hogmany*, or Scotch Christmas

Eclipses for 1936

There will be *four eclipses*, two of the SUN and two of the MOON.

I. Jan. 8, *Total Eclipse* of the MOON, invisible at Augusta, but visible in Europe, Asia, Africa, the Indian Ocean, Australia, and Alaska. E. S. T. of 8 in R. A. 1h. 21m. eve. Moon enters shadow 10h. 17m. Total eclipse begins 12h. 58m. and ends 1h. 21m. Moon leaves shadow 4h. 2m. Duration of eclipse 5h. 45m. Duration of totality, 23m. Magnitude, 1.02 of moon's diameter.

II. June 19, *Total Eclipse* of the SUN, invisible at Augusta, but visible in Europe, Asia, and the northwestern part of the Pacific Ocean. The path of totality crosses Greece, Turkey, Siberia, and Japan. E. S. T. of 6 in R. A. 0h. 15m. morn.

III. July 4, *Partial Eclipse* of the MOON, invisible at Augusta, but visible in Asia, Africa, and the Indian Ocean. E. S. T. of 8 in R. A. 12h. 44m. noon. Moon enters shadow 9h. 59m. and leaves the shadow 2h. 51m. Magnitude, 0.27 of moon's diameter.

IV. Dec. 13, *Annular Eclipse* of the SUN, invisible at Augusta, but visible in Australia and the southwestern part of the Pacific Ocean. The central line of the annulus crosses Australia and New Zealand. E. S. T. of 6 in R. A. 6h. 27m. eve.

Planets for 1936 (Morning and Evening Stars)

♿ MERCURY, evenings star; Jan. 16 gr. elong. E.; Jan. 18 ♀; Jan. 22 perihelion; Jan. 31 ♂ ♀ ☉ inf. becomes morning star; Feb. 1 gr. hel. lat. N.; Feb. 25 ♀, gr. elong. W.; Mar. 6 aphelion; Mar. 27 gr. hel. lat. S.; Apr. 10; ♂ ♀ ☉ sup. becomes evening star; Apr. 15 ♀; Apr. 19 perihelion; Apr. 29 gr. hel. lat. N.; May 7 gr. elong. E.; May 23 ♀; May 31 ♂ ♀ ☉ inf. becomes morning star; June 2 aphelion; June 22 gr. hel. lat. S.; June 25 gr. elong. W.; July 12 ♀; July 16 perihelion; July 23 ♂ ♀ ☉ sup. becomes evening star; July 26 gr. hel. lat. N.; Aug. 19 ♀; Aug. 29 aphelion; Sept. 4 gr. elong. E.; Sept. 18 gr. hel. lat. S.; Sept. 30 ♂ ♀ ☉ inf. becomes morning star; Oct. 7 ♀; Oct. 12 perihelion; Oct. 16 gr. elong. W.; Oct. 22 gr. hel. lat. N.; Nov. 15 ♀; Nov. 18 ♂ ♀ ☉ sup. becomes evening star; Nov. 25 aphelion; Dec. 15 gr. hel. lat. S.; Dec. 29 gr. elong. E.

♀ VENUS morning star; Feb. 23 ♀; Mar. 29 aphelion; Apr. 20 gr. hel. lat. S.; June 15 ♀; June 29 ♂ ♀ ☉ sup. becomes evening star; July 19 perihelion; Aug. 10 gr. hel. lat. N.; Oct. 5 ♀; Nov. 9 aphelion; Dec. 1 gr. hel. lat. S.

♂ MARS evening star; Apr. 13 ♀; June 10 ♂ ♂ ☉ becomes morning star; Oct. 15 gr. hel. lat. N.; Nov. 20 aphelion.

♃ JUPITER morning star; Mar. 13 ☐ ♃ ☉; June 10 ♂ ♃ ☉ becomes evening star; Sept. 8 ☐ ♃ ☉; Dec. 27 ♂ ♃ ☉ becomes morning star.

♄ SATURN evening star; Mar. 3 ♂ ♄ ☉ becomes morning star; June 13 ☐ ♄ ☉; Sept. 11 ♂ ♄ ☉ becomes evening star; Dec. 8, ☐ ♄ ☉.

Only Eastern Standard Time is now used in the Almanac. The predicted times are computed for Augusta, but are especially well suited to all parts of Northern New England. For places east or west of the meridian of Augusta the corrections given in the table below should be applied in each case for the Rising, Setting, and Southing of the Sun, Moon, Planets and Stars, and the limits of Dawn and Twilight. The results thus obtained are in Standard or Railroad Time for the occurrence of the phenomena at the place named. For places not named the correction given for the place most nearly in the same longitude should be used.

Subtract	min.	Subtract	min.	Add	min.
Eastport.....	11	Greenbush.....	4	Winthrop.....	1
Lubec.....	11	Bangor.....	4	Brunswick.....	1
Calais.....	11	Bucksport.....	4	Wilton.....	2
Vanceboro.....	9	Castine.....	4	Auburn.....	2
Machias.....	9	Brownville.....	3	Portland.....	2
Jonesport.....	9	Charleston.....	3	Rumford Falls.....	3
Houlton.....	8	Belfast.....	3	Paris.....	3
Fort Fairfield....	8	Rockland.....	3	Biddeford.....	3
Forest City.....	8	Dover.....	2	Bethel.....	4
Columbia Falls..	8	Newport.....	2	Bridgton.....	4
Caribou.....	7	Pittsfield.....	2	Kittery.....	4
Presque Isle.....	7	Warren.....	2	Fryeburg.....	5
Gouldsboro.....	7	Monson.....	1	Rochester, N. H....	5
Madawaska.....	6	China.....	1	Colebrook, N. H....	7
Island Falls.....	6	Damariscotta....	1	Laconia, N. H.	7
Franklin.....	6	Bristol.....	1	St. Johnsbury, Vt. .	9
Mount Desert...	6	Norridgewock....	0	Woodsville, N. H....	9
Fort Kent.....	5	Oakland.....	0	Montpelier, Vt.....	11
Lincoln.....	5	Augusta.....	0	Woodstock, Vt.....	11
Ellsworth.....	5	Bath.....	0	St. Albans, Vt.....	13

Names and Characters of the Signs of the Zodiac

<i>Spring</i> <i>Signs</i>	1 ♈ Aries, head	<i>Au-</i> <i>tumn</i> <i>Signs</i>	7 ♎ Libra, reins
	2 ♉ Taurus, neck		8 ♏ Scorpio, secrets
	3 ♊ Gemini, arms		9 ♐ Sagittarius, thigh
<i>Sum-</i> <i>mer</i> <i>Signs</i>	4 ♋ Cancer, breast	<i>Winter</i> <i>Signs</i>	10 ♑ Capricornus, knees
	5 ♌ Leo, heart		11 ♒ Aquarius, legs
	6 ♍ Virgo, belly		12 ♏ Pisces, feet

Names and Characters of the Planets

☉ The Sun	♀ Venus	♄ Saturn
☾ ☿ ☿ ☿ The Moon	♂ Mars	♅ Uranus
⊕ The Earth	(1200) Planetoids	♆ Neptune
☿ Mercury	♃ Jupiter	♇ Pluto

Symbols and Abbreviations

♌ Conjunction	° Degrees	R.A. Right Ascension
☾ Quadrature, 90°	' Minutes of Arc	Decl'n Declination
♌ Opposition, 180°	d. Days	Mag. Magnitude
♌ Ascending Node	h. Hours	Sup. Superior
♏ Descending Node	m. Minutes of Time	Inf. Inferior

Astronomical Elements

Earth, equatorial diameter,	7926.68 miles.
Earth, polar diameter,	7899.98 miles.
Mean distance, Earth to Moon,	238,857 miles.
Mean distance, Earth to Sun,	92,897,416 miles.
Year = 365.242,198.79 - .000,000,0614 (T - 1900) days.	
Month = 29.530,588 days.	
Astronomical Unit of Distance = Mean Distance Earth to Sun.	
Astronomical Unit of time = Mean Solar Day.	

	Brightness	Diameter miles	Force of gravity	Distance from sun	Sidereal period	Velocity mi. perm.
☉ Sun	32.7	864,390	2800	—	—	—
☾ Moon	18.0	2,160	17	—	—	38
☿ Mercury	2.9 to 7.9	3,010	40	0.3871	87.97d.	1780
♀ Venus	8.8 to 10.4	7,575	82	0.7233	224.70d.	1300
⊕ Earth	—	7,918	100	1.0000	365.256d.	1110
♂ Mars	4.4 to 8.8	4,215	38	1.5237	1 yr. 322d.	900
♃ Jupiter	7.8 to 8.3	85,740	265	5.2028	11 yrs. 315d.	485
♄ Saturn	4.5 to 6.0	71,115	118	9.5388	29 yrs. 167d.	360
♅ Uranus	0.0	30,880	90	19.1910	84 yrs. 6d.	250
♆ Neptune	-1.7	32,930	89	30.0707	164 yrs. 288d.	200
♇ Pluto	-4.0	—	—	39.4574	247 yrs. 218d.	175

The Seasons (Eastern Standard Time)

As determined by Right Ascension of the Mean Sun (R.A.M.S.)

R.A.M.S. 18h. Winter begins, 1935 Dec. 22d. 4h. 17m. morn.
R.A.M.S. 0h. Spring begins, 1936 Mar. 22d. 11h. 44m. morn.
R.A.M.S. 6h. Summer begins, 1936 June 21d. 7h. 12m. eve.
R.A.M.S. 12h. Autumn begins, 1936 Sept. 21d. 2h. 39m. morn.
R.A.M.S. 18h. Winter begins, 1936 Dec. 21d. 10h. 6m. morn.
Length of the year 365 d. 5h. 48.7631m.

Chronological Cycles of 1936

Dominical Let'r, ED	Epact,	6	Roman Indiction,	4
Golden Number	Solar Cycle,	13	Julian Period,	6649
or Lunar Cycle, 18	Hegira,	1354-55	Jewish Year,	5696-97
1936 January 1 is the Day No. 2,428,169				

High Waters at Portland Harbor for 1936

Lunitidal Interval 11h. 9m.

Mean Rise 8.9 feet

D	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
M	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
1	342	523	5 2	7 1	727	827	835	934	1025	1042	1157	ev34
2	443	631	614	8 1	818	912	922	1016	11 9	1128	ev49	126
3	544	738	724	854	9 6	955	10 5	1058	1154	ev17	145	222
4	648	839	826	938	948	1036	1046	1139	ev40	1 7	244	320
5	750	933	919	1019	1026	1114	1127	ev22	131	2 4	350	421
6	849	1021	10 3	1053	11 2	1152	ev 8	1 8	225	3 6	5 0	523
7	943	11 2	1043	1126	1135	ev31	1250	156	325	413	6 7	626
8	1030	1139	1117	1158	ev14	1 13	134	248	431	526	7 8	726
9	1115	ev14	1150	ev34	1250	156	222	345	541	635	8 3	818
10	1157	1249	ev24	1 9	131	244	312	447	652	737	851	9 5
11	ev36	124	1256	148	215	336	4 6	553	754	831	933	948
12	116	2 1	131	232	3 3	430	5 6	659	849	917	1012	1027
13	156	242	210	322	358	527	6 7	8 2	937	958	1047	11 2
14	239	329	255	419	454	627	7 8	9 0	1019	1035	1121	1138
15	323	424	346	520	551	725	8 9	950	1057	11 9	1156	mrn
16	417	524	446	621	650	821	9 6	1036	1131	1141	mrn	014
17	513	630	550	720	745	917	10 0	1116	mrn	mrn	031	050
18	616	734	655	815	841	1011	1050	1155	0 6	016	1 9	130
19	719	831	753	9 6	934	11 3	1136	mrn	040	050	150	214
20	816	922	847	957	1026	1153	mrn	033	116	131	237	3 2
21	9 8	10 8	936	1046	1117	mrn	019	111	156	213	329	354
22	953	1053	1024	1137	mrn	041	1 2	151	243	3 3	425	451
23	1036	1137	1111	mrn	0 9	130	145	233	335	359	525	550
24	1119	mrn	1159	027	1 2	219	229	319	434	5 0	622	652
25	mrn	024	mrn	120	155	310	315	414	538	6 0	718	753
26	0 2	112	049	216	249	4 0	4 5	516	640	657	813	851
27	048	2 2	140	315	347	456	5 2	621	734	750	9 5	946
28	135	256	234	418	445	552	6 1	719	824	840	958	1038
29	226	355	336	523	543	649	7 0	811	910	928	1049	1129
30	318		442	628	641	743	756	9 0	956	1017	1142	ev18
31	418		553		736		847	942		11 5		1 6

Port	Time Differ.	Mean Rise	Port	Time Differ.	Mean Rise
	m.	ft.		m.	ft.
Quoddy Head	-25	15.7	Monhegan	-20	9.3
Lubec	-10	17.5	Muscongus Harbor ..	-10	9.5
Eastport	-10	18.2	Waldoboro	0	9.5
Calais	+20	20.0	Pemaquid Harbor ...	-10	8.8
Machiasport	-15	13.0	Boothbay Harbor	-10	8.8
Jonesport	-20	11.5	Wiscasset	+10	9.4
Millbridge	-10	11.3	Phippsburg	+20	7.5
Indian Harbor	-20	10.5	Bath	+1h 10	6.4
Bar Harbor	-15	10.5	Abagadasset Point ..	+2h 10	5.5
Head Harbor	-30	9.1	Small Point	-10	8.8
Carver's Harbor ..	-20	9.4	Lowell Cove	-5	8.8
Castine	-5	9.7	Harpwell Harbor ...	-5	9.0
Bangor	+5	13.1	Chebeag Point	-5	9.0
Belfast	-5	9.7	Peak's Island	-10	9.1
Camden	-10	9.6	Old Orchard	0	8.8
Rockland	-10	9.7	Kittery Point	+10	8.7

The time of high water at Portland is given for the tide which follows the moon's southing; the time of the next tide may be found by adding 12h. 25m. To find the time of high water at any port named above, find the time of high water at Portland, on the given day, and then add or subtract the time difference given for the port according to the + or - sign.

From Tide Tables of the United States Coast and Geodetic Survey.

1936

JANUARY has thirty-one days

SUN'S DECLINATION, SOUTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	23	4	7	22	27	13	21	35	19	20	28	25	19	7
2	22	59	8	22	20	14	21	25	20	20	16	26	18	53
3	22	53	9	22	12	15	21	15	21	20	3	27	18	37
4	22	48	10	22	3	16	21	4	22	19	49	28	18	22
5	22	41	11	21	54	17	20	52	23	19	36	29	18	6
6	22	35	12	21	45	18	20	41	24	19	22	30	17	50

Moon's Phases

Decl'n Azimuth

☾ First Quarter, 1st day, 10h. 15m. morn.	N 8° 50'	E.
☾ Full Moon, 8th day, 1h. 15m. eve.	N 21° 55'	N.
☾ Last Quarter, 16th day, 2h. 41m. eve.	S 14° 39'	W.
☾ New Moon, 24th day, 2h. 18m. morn	S 17° 40'	N.E.
☾ First Quarter, 30th day, 6h. 36m. eve.	N 19° 12'	S.W.

D M	Days of Week	☾ h m	☾ h m	L D h m	D in h m	☾ so h m	☾ p	☾ a	☾ set h m	☾ so h m	H W Bost
1	Wedn'y	7 16	4 10	8 54	0 3	11 42	☾	☾	m'r'n	5 42	4 0
2	Thurs'y	7 16	4 11	8 55	0 4	11 43	☾	8	0 45	6 34	4 58
3	Friday	7 16	4 12	8 56	0 5	11 43	☾	9	2 0	7 28	5 57
4	Satur'y	7 16	4 13	8 57	0 6	11 44	☾	10	3 14	8 24	6 57
5	Sunday	7 15	4 14	8 59	0 8	11 44	☾	11	4 24	9 22	7 56
6	Monday	7 15	4 15	9 0	0 9	11 45	☾	12	5 28	10 20	8 53
7	Tuesday	7 15	4 16	9 1	0 10	11 45	☾	13	6 22	11 15	9 43
8	Wedn'y	7 15	4 17	9 2	0 11	11 46	☾	☾	rises	m'r'n	10 38
9	Thurs'y	7 15	4 18	9 3	0 12	11 46	☾	15	5 29	0 8	11 26
10	Friday	7 15	4 19	9 4	0 13	11 47	☾	16	6 36	0 57	ev 10
11	Satur'y	7 14	4 20	9 6	0 15	11 47	☾	17	7 41	1 43	12 54
12	Sunday	7 14	4 21	9 7	0 16	11 47	☾	18	8 44	2 26	1 37
13	Monday	7 14	4 22	9 8	0 17	11 48	☾	19	9 45	3 7	2 20
14	Tuesday	7 13	4 23	9 10	0 19	11 48	☾	20	10 46	3 46	3 5
15	Wedn'y	7 13	4 24	9 11	0 20	11 48	☾	21	11 48	4 27	3 51
16	Thurs'y	7 12	4 25	9 13	0 22	11 49	☾	☾	m'r'n	5 9	4 41
17	Friday	7 12	4 27	9 15	0 24	11 49	☾	23	0 51	5 53	5 34
18	Satur'y	7 11	4 28	9 17	0 26	11 49	☾	24	1 56	6 40	6 29
19	Sunday	7 10	4 29	9 19	0 28	11 50	☾	25	3 0	7 30	7 24
20	Monday	7 10	4 31	9 21	0 30	11 50	☾	26	4 2	8 24	8 18
21	Tuesday	7 9	4 32	9 23	0 32	11 50	☾	27	4 59	9 20	9 9
22	Wedn'y	7 8	4 33	9 25	0 34	11 51	☾	28	5 50	10 18	9 57
23	Thurs'y	7 7	4 34	9 27	0 36	11 51	☾	29	6 33	11 15	10 43
24	Friday	7 7	4 36	9 29	0 38	11 51	☾	☾	sets	ev 11	11 30
25	Satur'y	7 6	4 37	9 31	0 40	11 51	☾	1	6 41	1 5	m'r'n
26	Sunday	7 5	4 39	9 34	0 43	11 52	☾	2	7 59	1 57	0 16
27	Monday	7 4	4 40	9 36	0 45	11 52	☾	3	9 16	2 48	1 3
28	Tuesday	7 3	4 42	9 39	0 48	11 52	☾	4	10 33	3 39	1 53
29	Wedn'y	7 2	4 43	9 41	0 50	11 52	☾	5	11 49	4 30	2 44
30	Thurs'y	7 1	4 44	9 43	0 52	11 52	☾	☾	m'r'n	5 24	3 38
31	Friday	7 0	4 46	9 46	0 55	11 53	☾	7	1 4	6 20	4 36

January 1—Day breaks 5h. 31m.; Twilight ends 5h. 54m.

January 15—Day breaks 5h. 29m.; Twilight ends 6h. 7m.

JANUARY, 1st month—Begins on Wednesday 1936



D D Aspects, Holydays, M W Weather, Etc.

Farmers' Calendar

1	4	New Year's Day.	
2	5	Tide 8.1 ft. at Portland.	
3	6	♂ ♀ ☉.	<i>Clear and</i>
4	7	☉ in per. ☉'s diam. 32.6'.	
5	E 1st Sab.	♂ in Capricorn.	
6	2	☉ runs high.	<i>cold.</i>
7	3	♂ sets 7h. 31m. eve.	
8	4	Moon after Yule.	
9	5	High tide 9.8 ft. at P'rt'd.	
10	6	♂ stat. ♀ near Antares.	
11	7	♀ rises 4h. 9m. morn.	
12	E 2d Sabbath.		<i>Heavy</i>
13	2	♂ ♀ ☉. ☉ on equator.	
14	3	☉ in apogee.	<i>snow.</i>
15	4	♂ ♀ ♄.	
16	5	♂ gr. elong. E. 18.8°.	
17	6	Low tides 6.8 ft. at P'rt'd.	
18	7	♂ in ♏.	
19	E 3d Sabbath.		<i>Mild.</i>
20	2	♂ ♄ ☉. ☉ runs low.	
21	3	♂ ♀ ☉. ♀ in Capricorn.	
22	4	♂ stat. ☐ ♀ ☉. ♀ in per.	
23	5	♂ sets 7h. 38m. eve.	
24	6	♄ rises 3h. 58m. morn.	
25	7	♂ ♀ ☉. ♂ ♂ ♄. High tide.	
26	E 4th Sab.	♂ ♄ ☉. ♂ ♂ ☉.	
27	2	☉ in perigee. ☉ on eq.	
28	3	Pleiades set 2h. 46m. morn.	
29	4	Betelgens S. 8h. 58m. eve.	
30	5	♂ ♀ ☉.	
31	6	♂ ♀ ☉. inf.	<i>Cloudy.</i>

MANY of us feel there is too much talk and too little thought today. Many of the books that are appearing, discussing the present world emergency, are splendid illustrations of words without thought. Many books and political speeches and academic addresses suggest that, "When the mind excludes thinking, common sense becomes nonsense." The problem of this year for all of us is not the amount of talking that is done; but the amount of thought and action. On one point of current pronouncement we must all agree: These are days when youth is to the fore; whatever is going to happen to the tottering world will happen because of the attitude and leadership which the generation of today exercises in the immediate future. Political parties, peace propaganda, labor agitation, schemes of government in European countries, all depend fundamentally upon the attitude of the younger generation. In times like these, little will be accomplished unless two points are kept in mind: First, pessimism is of little use. Even if obstacles confront us, there are latent powers within each one of us to help us rise to the crisis. There is a streak of the romantic in every one, and the romantic is what drives us on to accomplish what may have seemed, yesterday, impossible. Second, life is not worth while unless a person has an enduring intellectual interest. You may get this from your work or from your avocation. Your experience will be wasted if, somehow, you do not begin a real self-prompting, intellectual interest. This shows in a man's talking and reading. Unless by the end of this year your conversation has more thought behind it, and the books that you read of your own volition are of a more

stimulating character than today, it is likely that the year will be ill spent. Youth is the time for this.

1936 FEBRUARY has twenty-nine days

SUN'S DECLINATION, SOUTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	17	17	7	15	30	13	13	34	19	11	30	25	9	20
2	17	0	8	15	12	14	13	14	20	11	9	26	8	58
3	16	43	9	14	53	15	12	54	21	10	48	27	8	35
4	16	25	10	14	34	16	12	33	22	10	26	28	8	13
5	16	7	11	14	14	17	12	13	23	10	4	29	7	50
6	15	49	12	13	54	18	11	52	24	9	42			

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 7th day, 6h. 19m. morn.	N 12° 44'	W.
☾ Last Quarter, 15th day, 10h. 45m. morn.	S 22° 49'	S.W.
☾ New Moon, 22nd day, 1h. 42m. eve.	S 6° 32'	S.W.
☾ First Quarter, 29th day, 4h. 28m. morn.	N 24° 32'	N.

D M	Days of Week	☾r h m	☾s h m	L D h m	D in h m	☾so h m	☾ p	☾ a	☾set h m	☾so h m	H W Bost
1	Satur'y	6 59	4 47	9 48	0 57	11 53	☾	8	2 16	7 16	5 37
2	Sunday	6 58	4 49	9 51	1 0	11 53	☾	9	3 21	8 13	6 40
3	Monday	6 56	4 50	9 54	1 3	11 53	☾	10	4 18	9 8	7 42
4	Tuesday	6 55	4 51	9 56	1 5	11 53	☾	11	5 4	10 1	8 41
5	Wedn'y	6 54	4 53	9 59	1 8	11 53	☾	12	5 43	10 51	9 36
6	Thurs'y	6 53	4 54	10 1	1 10	11 53	☾	13	6 14	11 37	10 23
7	Friday	6 52	4 56	10 4	1 13	11 53	☾	☾ rises	m'r'n	11 7	
8	Satur'y	6 51	4 57	10 6	1 15	11 53	☾	15	6 31	0 21	11 48
9	Sunday	6 50	4 59	10 9	1 18	11 53	☾	16	7 33	1 3	ev 28
10	Monday	6 48	5 0	10 12	1 21	11 54	☾	17	8 35	1 44	1 7
11	Tuesday	6 47	5 1	10 14	1 23	11 54	☾	18	9 36	2 24	1 47
12	Wedn'y	6 46	5 3	10 17	1 26	11 54	☾	19	10 38	3 5	2 28
13	Thurs'y	6 44	5 4	10 20	1 29	11 54	☾	20	11 41	3 48	3 13
14	Friday	6 43	5 5	10 22	1 31	11 53	☾	21	m'r'n	4 32	4 0
15	Satur'y	6 41	5 7	10 26	1 35	11 53	☾	☾	0 44	5 20	4 52
16	Sunday	6 40	5 8	10 28	1 37	11 53	☾	23	1 46	6 11	5 48
17	Monday	6 38	5 9	10 31	1 40	11 53	☾	24	2 45	7 5	6 47
18	Tuesday	6 37	5 11	10 34	1 43	11 53	☾	25	3 37	8 1	7 42
19	Wedn'y	6 35	5 12	10 37	1 46	11 53	☾	26	4 23	8 58	8 37
20	Thurs'y	6 33	5 13	10 40	1 49	11 53	☾	27	5 3	9 54	9 28
21	Friday	6 32	5 15	10 43	1 52	11 53	☾	28	5 36	10 49	10 18
22	Satur'y	6 30	5 16	10 46	1 55	11 53	☾	☾ sets	11 43	11 5	
23	Sunday	6 29	5 18	10 49	1 58	11 53	☾	1	6 52	ev 36	11 52
24	Monday	6 27	5 19	10 52	2 1	11 53	☾	2	8 12	1 28	m'r'n
25	Tuesday	6 25	5 20	10 55	2 4	11 52	☾	3	9 31	2 22	0 40
26	Wedn'y	6 24	5 22	10 58	2 7	11 52	☾	4	10 50	3 17	1 29
27	Thurs'y	6 22	5 23	11 1	2 10	11 52	☾	5	m'r'n	4 14	2 22
28	Friday	6 20	5 24	11 4	2 13	11 52	☾	6	0 5	5 11	3 16
29	Satur'y	6 19	5 26	11 7	2 16	11 52	☾	☾	1 13	6 8	4 15

February 1—Day breaks 5h. 20m.; Twilight ends 6h. 27m.

February 15—Day breaks 5h. 4m.; Twilight ends 6h. 45m.

FEBRUARY, 2nd mo.—Begins on Saturday 1936



**D D Aspects, Holydays,
M W Weather, Etc.**

Farmers' Calendar

1	7	♂ gr. hel. lat. N.	
2	E	1st Sabbath. ☉ runs high.	
3	2	Tide 7.7 at Portland.	
4	3	Sothis S. 9h. 25m. eve.	
5	4	♂ sets 7h. 37m. eve.	
6	5	♀ near Nunki.	Cold.
7	6	Wolf Moon.	Windy.
8	7	♀ rises 4h. 54m. morn.	
9	E	2d Sab. ♂ ♀ ☉. ☉ on eq.	
10	2	Medium tide 8.6 ft.	
11	3	☉ in apogee.	Signs
12	4	♂ stationary.	of a
13	5	♂ sets 6h. 27m. eve.	
14	6	Valentine Day.	thaw.
15	7	Maine blown up 1898.	
16	E	3d Sab. Low tide 6.7 ft.	
17	2	♂ ♀ ☉. ☉ runs low.	
18	3	Procyon S. 9h. 23m. eve.	
19	4	♂ rises 2h. 36m. morn.	
20	5	♂ ♀ ☉. ♂ ♀ ☉.	Fine
21	6	♂ at 0h. 0m. R. A.	
22	7	Washington's Birthday.	
23	E	4th Sab. ♂ ♀ ☉. ☉ on eq.	
24	2	♂ ♂ ☉. High tides 10.5 ft.	
25	3	♂ gr. elong. W. 26.9°, ♀	
26	4	♂ ♀ ☉.	Weather.
27	5	♂ in Capricorn.	
28	6	Pleiades set 0h. 44m. morn.	
29	7	Lovejoy girls' birthday.	

WE have come to a rather new period in our social and economic history. We are interested in providing safety and security for many of the people scattered over our country who have had neither. Too many people have fears of one kind or another—fear lest they will not get a job, that they will not keep their jobs, that they will not progress in their jobs, that they will not earn enough to keep their families, that they will not get good enough prices for what they have to sell, that they cannot keep their homes or their farms, that they cannot pay off their indebtedness, that they will not be able to keep their children at school. The effort of government at present is to do away with these “afraids” and supply security and safety. The social objective is to do what any honest government of any country would do; to try to increase the security and happiness of a larger number of people in all occupations of life in all parts of the country; to give them more of the good things of life; to give them a greater distribution, not only of wealth in narrow terms but of wealth in the wider terms; to give them places to go in the summer time—recreation; to give them assurance that they are not going to starve in their old age; to give honest business a chance to go ahead and make a reasonable profit; and to give everybody a chance to earn a living. Our civilization is so complicated that no single mind can understand and direct all its manifestations. That is one reason why we must divide the power today between many persons, bodies or institutions. Our civilization contains within itself such

powerful forces that an error of government may have the most formidable consequences. That is the reason why we must limit the power of the government by a system which insures the possibility of discussing before taking action and criticizing freely afterwards.

1936

MARCH has thirty-one days

SUN'S DECLINATION, SOUTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	7	27	7	5	8	13	2	47	19	0	25	25	1	57
2	7	4	8	4	45	14	2	24	20	0	2	26	2	20
3	6	41	9	4	22	15	2	0	21	N	22	27	2	44
4	6	18	10	3	58	16	1	36	22	0	46	28	3	7
5	5	55	11	3	35	17	1	13	23	1	9	29	3	31
6	5	32	12	3	11	18	0	49	24	1	33	30	3	54

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 8th day, 0h. 14m. morn.	N 0° 41'	S.
☾ Last Quarter, 16th day, 3h. 35m. morn.	S 24° 34'	S.E.
☾ New Moon, 22nd day, 11h. 14m. eve.	N 5° 30'	N.
☾ First Quarter, 29th day, 4h. 22m. eve.	N 23° 4'	S.E.

D	Days of	☉ r	☉ s	L D	D in	☉ so	☉	☉	☉ set	☉ so	H W
M	Week	h m	h m	h m	h m	h m	p	a	h m	h m	Bost
1	Sunday	6 17	5 27	11 10	2 19	11 52	☿	8	2 13	7 4	5 18
2	Monday	6 15	5 28	11 13	2 22	11 51	☿	9	3 3	7 58	6 23
3	Tuesday	6 13	5 30	11 16	2 25	11 51	☿	10	3 43	8 48	7 28
4	Wedn'y	6 12	5 31	11 19	2 28	11 51	☿	11	4 17	9 35	8 27
5	Thurs'y	6 10	5 32	11 22	2 31	11 51	☿	12	4 44	10 20	9 19
6	Friday	6 8	5 34	11 26	2 35	11 50	☿	13	5 8	11 2	10 4
7	Satur'y	6 6	5 35	11 29	2 38	11 50	☿	14	5 29	11 43	10 45
8	Sunday	6 4	5 36	11 32	2 41	11 50	☿	☉	rises	m'rn	11 23
9	Monday	6 3	5 37	11 34	2 43	11 50	☿	16	7 26	0 22	12 0
10	Tuesday	6 1	5 38	11 37	2 46	11 49	☿	17	8 28	1 4	ev 37
11	Wedn'y	5 59	5 40	11 41	2 50	11 49	☿	18	9 31	1 46	1 15
12	Thurs'y	5 57	5 41	11 44	2 53	11 49	☿	19	10 33	2 30	1 56
13	Friday	5 56	5 42	11 46	2 55	11 49	☿	20	11 34	3 15	2 38
14	Satur'y	5 54	5 44	11 50	2 59	11 48	☿	21	m'rn	4 4	3 25
15	Sunday	5 52	5 45	11 53	3 2	11 48	☿	22	0 33	4 56	4 16
16	Monday	5 51	5 46	11 55	3 4	11 48	☿	☉	1 27	5 50	5 13
17	Tuesday	5 49	5 47	11 58	3 7	11 48	☿	24	2 15	6 44	6 11
18	Wedn'y	5 47	5 49	12 2	3 11	11 47	☿	25	2 56	7 39	7 11
19	Thurs'y	5 45	5 50	12 5	3 14	11 47	☿	26	3 30	8 33	8 6
20	Friday	5 43	5 51	12 8	3 17	11 47	☿	27	4 2	9 26	8 59
21	Satur'y	5 41	5 52	12 11	3 20	11 46	☿	28	4 30	10 19	9 50
22	Sunday	5 39	5 54	12 15	3 24	11 46	☿	☉	sets	11 11	10 38
23	Monday	5 37	5 55	12 18	3 27	11 46	☿	1	7 2	ev 6	11 26
24	Tuesday	5 36	5 56	12 20	3 29	11 45	☿	2	8 24	1 2	m'rn
25	Wedn'y	5 34	5 57	12 23	3 32	11 45	☿	3	9 44	2 0	0 17
26	Thurs'y	5 32	5 59	12 27	3 36	11 45	☿	4	10 58	3 0	1 7
27	Friday	5 30	6 0	12 30	3 39	11 45	☿	5	m'rn	4 0	1 59
28	Satur'y	5 28	6 1	12 33	3 42	11 44	☿	6	0 3	4 58	2 55
29	Sunday	5 26	6 2	12 36	3 45	11 44	☿	☉	0 58	5 53	3 55
30	Monday	5 24	6 4	12 40	3 49	11 44	☿	8	1 43	6 45	4 58
31	Tuesday	5 22	6 5	12 43	3 52	11 43	☿	9	2 18	7 33	6 3

March 1—Day breaks 4h. 41m.; Twilight ends 7h. 4m.

March 15—Day breaks 4h. 15m.; Twilight ends 7h. 23m.

MARCH, 3rd month—Begins on Sunday 1936



D D M W	Aspects, Holydays, Weather, Etc.	Farmers' Calendar
1 E	1st Sabbath. ☉ runs high.	MILDEW is a fungus growth that appears on cloth, usually cotton or linen which has been folded or packed away damp. Some mildew is pinkish in color, but that most commonly seen is gray. If allowed to remain very long on the fabric, mildew attacks the fiber and weakens or destroys it. As soon as it is discovered, the fabric should be opened up and exposed to the light and air. This will stop its further development, but it will not remove the stain which has already appeared. The easiest and most efficient means of removing mildew is with Javelle Water. This may be made at home or purchased from the drug store. If the garment or cloth to be treated is covered with the mildew, it is best to treat the whole piece. In a bowl or basin large enough to accommodate the fabric to be treated, put 2 parts of hot water and add 1 part of Javelle. Put in the cloth and stir frequently. Most mildew stains will disappear in from 3 to 10 minutes. Should some of the stains still remain, put the basin over the fire and heat slightly, but do not allow to boil. If any of the mildew remains, repeat the entire process, starting with fresh Javelle and water. After the stains have disappeared, remove from the Javelle, <i>rinse well</i> in warm water, wash in soap and water, and rinse two or three times in clear warm water. Add 1 or 2 tablespoonfuls of 10% acetic acid or 2 or 3 tablespoonfuls of vinegar to one of the rinses to remove all traces of the Javelle. It is very important that no Javelle be allowed to remain in the fabric. While Javelle is a bleach and cannot be used on some colors, it can be used quite safely on those luncheon sets which have fast-colored embroidery on them. Because it is necessary to
2 2	Tide 7.4 at Portland.	
3 3	♂ ♀ ☉. <i>Blustering.</i>	
4 4	☿ brightness—1.7.	
5 5	♂ ☿ ☉.	
6 6	♀ in aphelion. <i>Snow.</i>	
7 7	♀ rises 5h. 0m. morn.	
8 E	2d Sabbath. Lenten Moon.	
9 2	☉ in ap. Med. tide 8.6 ft.	
10 3	♂ sets 7h. 39m. eve.	
11 4	♀ in Capricorn. <i>or</i>	
12 5	Great blizzard of 1888.	
13 6	☐ 2 ☉. <i>rain.</i>	
14 7	Pollux S. 7h. 54m. eve.	
15 E	3d Sab. ♂ 2 ☉. ☉ runs low	
16 2	Low tides 7.0 ft.	
17 3	St. Patrick's Day.	
18 4	Alphard S. 9h. 21m. eve.	
19 5	2 rises 0h. 55m. morn.	
20 6	Maple sap runs.	
21 7	♂ ♀ ☉. ♂ ♀ ☉. <i>Wind</i>	
22 E	4th Sab. ♂ ♀ ☉. ☉ on eq.	
23 2	☉ in perigee.	
24 3	♂ ♂ ☉. High tide 10.9 ft.	
25 4	♂ ♀ ☉. <i>and</i>	
26 5	Pleiades set 11h. 1m. eve.	
27 6	♀ gr. hel. lat. S.	
28 7	☉ runs high. <i>snow.</i>	
29 E	5th Sab. ♀ in aphelion.	
30 2	♂ ♀ ♀.	
31 3	♂ rises 4h. 38m. morn.	

launder these, the colors should be fast so that the Javelle does not affect them. Javelle cannot be used on silk or wool, but mildew seldom appears on either of these fabrics.

1936

APRIL has thirty days

SUN'S DECLINATION, NORTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	4	40	7	6	57	13	9	10	19	11	17	25	13	18
2	5	3	8	7	20	14	9	31	20	11	38	26	13	37
3	5	26	9	7	42	15	9	53	21	11	58	27	13	56
4	5	49	10	8	4	16	10	14	22	12	18	28	14	15
5	6	12	11	8	26	17	10	35	23	12	38	29	14	34
6	6	35	12	8	48	18	10	56	24	12	58	30	14	52

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 6th day, 5h. 46m. eve.	S 11° 12'	E.
☾ Last Quarter, 14th day, 4h. 21m. eve.	S 19° 36'	N.W.
☾ New Moon, 21st day, 7h. 33m. morn.	N. 16° 11'	E.
☾ First Quarter, 28th day, 6h. 16m. morn.	N. 15° 37'	N.

D	Days of	☾r	☾s	L D	D in	☾so	☾	☾	☾set	☾so	H W
M	Week	h m	h m	h m	h m	h m	p	a	h m	h m	Bost
1	Wedn'y	5 21	6 6	12 45	3 54	11 43	☾	10	2 47	8 18	7 7
2	Thurs'y	5 19	6 7	12 48	3 57	11 43	☾	11	3 12	9 0	8 5
3	Friday	5 17	6 8	12 51	4 0	11 42	☾	12	3 34	9 42	8 55
4	Satur'y	5 15	6 9	12 54	4 3	11 42	☾	13	3 55	10 22	9 38
5	Sunday	5 13	6 10	12 57	4 6	11 42	☾	14	4 15	11 3	10 19
6	Monday	5 11	6 12	13 1	4 10	11 42	☾	☾ rises	11 44	10 56	
7	Tuesday	5 10	6 13	13 3	4 12	11 41	☾	16	7 23	m'rn	11 33
8	Wedn'y	5 8	6 15	13 7	4 16	11 41	☾	17	8 25	0 28	ev 10
9	Thurs'y	5 6	6 16	13 10	4 19	11 41	☾	18	9 27	1 13	12 47
10	Friday	5 5	6 17	13 12	4 21	11 40	☾	19	10 26	2 1	1 27
11	Satur'y	5 3	6 18	13 15	4 24	11 40	☾	20	11 21	2 52	2 10
12	Sunday	5 1	6 20	13 19	4 28	11 40	☾	21	m'rn	3 44	2 56
13	Monday	5 0	6 21	13 21	4 30	11 40	☾	22	0 10	4 37	3 48
14	Tuesday	4 58	6 22	13 24	4 33	11 39	☾	☾	0 52	5 30	4 43
15	Wedn'y	4 56	6 23	13 27	4 36	11 39	☾	24	1 28	6 23	5 41
16	Thurs'y	4 54	6 24	13 30	4 39	11 39	☾	25	1 59	7 15	6 40
17	Friday	4 53	6 25	13 32	4 41	11 39	☾	26	2 27	8 5	7 37
18	Satur'y	4 51	6 27	13 36	4 45	11 38	☾	27	2 54	8 56	8 30
19	Sunday	4 49	6 28	13 39	4 48	11 38	☾	28	3 22	9 49	9 22
20	Monday	4 48	6 29	13 41	4 50	11 38	☾	29	3 50	10 44	10 13
21	Tuesday	4 46	6 30	13 44	4 53	11 38	☾	☾ sets	11 41	11 3	
22	Wedn'y	4 44	6 32	13 48	4 57	11 38	☾	1	8 32	ev 41	11 53
23	Thurs'y	4 42	6 33	13 51	5 0	11 37	☾	2	9 44	1 43	m'rn
24	Friday	4 41	6 34	13 53	5 2	11 37	☾	3	10 46	2 44	0 45
25	Satur'y	4 39	6 36	13 57	5 6	11 37	☾	4	11 37	3 43	1 39
26	Sunday	4 38	6 37	13 59	5 8	11 37	☾	5	m'rn	4 37	2 34
27	Monday	4 36	6 38	14 2	5 11	11 37	☾	6	0 16	5 28	3 32
28	Tuesday	4 34	6 39	14 5	5 14	11 37	☾	☾	0 49	6 15	4 33
29	Wedn'y	4 33	6 40	14 7	5 16	11 36	☾	8	1 15	7 0	5 34
30	Thurs'y	4 31	6 42	14 11	5 20	11 36	☾	9	1 40	7 40	6 36

April 1—Day breaks 3h. 39m.; Twilight ends 7h. 48m.

April 15—Day breaks 3h. 9m.; Twilight ends 8h. 12m.

APRIL, 4th month—Begins on Wednesday 1936



**D D Aspects, Holydays,
M W Weather, Etc.**

Farmers' Calendar

1	4	Low tides 7.7 ft.
2	5	Regulus S. 9h. 3m. eve.
3	6	♀ rises 4h. 36m. morn.
4	7	♂ ♀ ☉. ☉ on equator.
5	D	1st Sabbath. ♂ in Aries.
6	2	Easter Moon. ☉ in apogee.
7	3	♂ ♂ ♄. <i>Mild.</i>
8	4	Medium tides 8.2 ft.
9	5	♂ rises 11h. 32m. eve.
10	6	♂ ♀ ☉ sup. ♀ at 0h. R. A.
11	7	☉ runs low. ♀ stationary.
12	D	2d Sabbath. Easter. ♂ ♀ ☉
13	2	♂ in ♋. <i>Changeable.</i>
14	3	Low tides 7.5 ft.
15	4	♀ in ♋.
16	5	♂ sets 7h. 40m. eve.
17	6	♂ ♀ ♄. <i>Unpleasant.</i>
18	7	♂ ♄ ☉. ☉ on equator.
19	D	3d Sabbath. ♀ in perihelion
20	2	♂ ♀ ☉. ♀ gr. hel. lat. S.
21	3	♂ ♄ ☉.
22	4	♂ ♀ ☉. ♂ ♂ ☉. Tide 11.0 ft
23	5	Denebola S. 9h. 20m. eve.
24	6	☉ runs high.
25	7	♂ ♄ ☉. <i>Cold and</i>
26	D	4th Sabbath.
27	2	Pleiades set 8h. 55m. eve.
28	3	♄ rises 2h. 57m. morn.
29	4	♀ gr. hel. lat. N. <i>raw.</i>
30	5	Low tides 8.0 ft.

FROM the shingles to the surface of the foundation material, the exterior appearance of one's house is important. All human beings are judged, in the first place, by what they look like. And very often the original impression created by appearance proves to be true after personalities are known all the way through.

So it is with a home, and its owner. The appearance of the roof, the exterior walls, the trim, the doors and windows, the steps and porch, and the foundation stone, brick or concrete, all these parts go to make up the whole, and the interior of your house is judged by the initial impression these exterior parts make upon an observer.

Roof shingles, if made of wood, offer a surface that may be a decorative part of your home setting. Shingle stain is to be purchased with care, however, as much of it is not of sufficient pigment content to warrant long life. A roof is exposed to the most severe effect of the elements, and heat from sun, and it is therefore in need of the best painting or staining material there is. Exterior walls of wood, whether shingles or siding, need perfect protection from surface wear due to rain, snow, heat and cold. There probably are many householders who figure that a painting every two years with a cheap paint is better than spending money, all in one fell swoop, for good paint, which lasts much longer. Not only does it last longer, but the surface of your house is not smeared up with excessive layers of paint that eventually will peel, craze, discolor and scape. And inasmuch as a major part of the cost of painting is labor, it is obvious how unwise it is to have cheap paint spread all over your house when you should be all taken off. Foundations that show above the grade line ought not to detract from the appearance.

know that sooner or later it will need that show above the grade line ought

1936

MAY has thirty-one days

SUN'S DECLINATION, NORTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	15	11	7	16	54	13	18	28	19	19	50	25	21	1
2	15	29	8	17	11	14	18	42	20	20	3	26	21	11
3	15	46	9	17	27	15	18	57	21	20	15	27	21	21
4	16	4	10	17	42	16	19	11	22	20	27	28	21	31
5	16	21	11	17	58	17	19	24	23	20	39	29	21	40
6	16	38	12	18	13	18	19	37	24	20	50	30	21	49

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 6th day, 10h. 1m. morn.	S 20° 16'	N.W.
☾ Last Quarter, 14th day, 1h. 12m. morn.	S 10° 4'	S.E.
☾ New Moon, 20th day, 3h. 35m. eve.	N 22° 56'	W.
☾ First Quarter, 27th day, 9h. 46m. eve.	N 4° 47'	W.

D M	Days of Week	☾ h m	☾ h m	L D h m	D in h m	☾ so h m	☾ p	☾ a	☾ set h m	☾ so h m	H W Bost
1	Friday	4 30	6 43	14 13	5 22	11 36	☾	10	2 0	8 20	7 32
2	Satur'y	4 28	6 44	14 16	5 25	11 36	☾	11	2 20	9 1	8 21
3	Sunday	4 27	6 45	14 18	5 27	11 36	☾	12	2 42	9 43	9 6
4	Monday	4 25	6 47	14 22	5 31	11 36	☾	13	3 4	10 25	9 49
5	Tuesday	4 24	6 48	14 24	5 33	11 36	☾	14	3 29	11 11	10 26
6	Wedn'y	4 23	6 49	14 26	5 35	11 36	☾	☾ rises	11 58	11 5	
7	Thurs'y	4 22	6 50	14 28	5 37	11 36	☾	16	8 20	m'rn	11 44
8	Friday	4 21	6 52	14 31	5 40	11 36	☾	17	9 17	0 48	ev 23
9	Satur'y	4 19	6 53	14 34	5 43	11 35	☾	18	10 7	1 40	1 2
10	Sunday	4 18	6 54	14 36	5 45	11 35	☾	19	10 51	2 33	1 46
11	Monday	4 17	6 55	14 38	5 47	11 35	☾	20	11 28	3 26	2 32
12	Tuesday	4 16	6 56	14 40	5 49	11 35	☾	21	m'rn	4 18	3 22
13	Wedn'y	4 15	6 57	14 42	5 51	11 35	☾	22	0 0	5 8	4 17
14	Thurs'y	4 13	6 58	14 45	5 54	11 35	☾	☾	0 29	5 58	5 14
15	Friday	4 12	6 59	14 47	5 56	11 35	☾	24	0 55	6 48	6 11
16	Satur'y	4 11	7 0	14 49	5 58	11 35	☾	25	1 21	7 38	7 7
17	Sunday	4 10	7 1	14 51	6 0	11 35	☾	26	1 47	8 30	8 3
18	Monday	4 9	7 2	14 53	6 2	11 35	☾	27	2 16	9 24	8 58
19	Tuesday	4 8	7 3	14 55	6 4	11 35	☾	28	2 53	10 21	9 52
20	Wedn'y	4 7	7 4	14 57	6 6	11 36	☾	☾ sets	11 23	10 44	
21	Thurs'y	4 6	7 5	14 59	6 8	11 36	☾	1	8 28	ev 25	11 35
22	Friday	4 5	7 6	15 1	6 10	11 36	☾	2	9 24	1 26	m'rn
23	Satur'y	4 4	7 7	15 3	6 12	11 36	☾	3	10 10	2 24	0 27
24	Sunday	4 3	7 8	15 5	6 14	11 36	☾	4	10 46	3 18	1 20
25	Monday	4 2	7 9	15 7	6 16	11 36	☾	5	11 17	4 8	2 15
26	Tuesday	4 2	7 10	15 8	6 17	11 36	☾	6	11 41	4 54	3 7
27	Wedn'y	4 1	7 11	15 10	6 19	11 36	☾	☾	m'rn	5 36	4 00
28	Thurs'y	4 0	7 12	15 12	6 21	11 36	☾	8	0 4	6 18	4 57
29	Friday	3 59	7 13	15 14	6 23	11 36	☾	9	0 25	6 59	5 54
30	Satur'y	3 59	7 14	15 15	6 24	11 37	☾	10	0 46	7 40	6 49
31	Sunday	3 58	7 15	15 17	6 26	11 37	☾	11	1 7	8 22	7 41

May 1—Day breaks 2h. 32m.; Twilight ends 8h. 37m.

May 15—Day breaks 2h. 5m.; Twilight ends 9h. 8m.

MAY, 5th month—Begins on Friday 1936



D D Aspects, Holydays, M W Weather, Etc.

Farmers' Calendar

1	6	♂ ♀ ☉. ☉ on equator.	
2	7	♂ near Pleiades.	
3	D	1st Sabbath. ☉ in apogee.	
4	2	Spica S. 10h. 13m. eve.	
5	3	♀ rises 3h. 54m. morn.	
6	4	Milk Moon.	<i>Fair</i>
7	5	♂ gr. elong. E. 21.3°.	
8	6	♀ in Aries. Tide 9.0 ft.	
9	7	♂ ♀ ☉. ☉ runs low.	<i>and</i>
10	D	2d Sabbath. ♂ ♀ ☉. warm.	
11	2	♂ rises 9h. 19m. eve.	
12	3	♂ near Pleiades.	
13	4	Plow time.	
14	5	♂ sets 7h. 35m. eve.	
15	6	☉ on eq. Med tide 8.8 ft.	
16	7	♂ ♀ ☉.	<i>Dull</i>
17	D	3d Sabbath.	
18	2	☉ in perigee.	<i>and</i>
19	3	♂ ☉. ♂ ♀ ☉. ♀ stat.	
20	4	High tide 10.9 ft.	
21	5	♂ ♂ ☉. ♂ ♀ ☉. ☉ runs high	
22	6	Pleiades rise 3h. 40m. m'rn	
23	7	♂ in ☿.	<i>showery.</i>
24	D	4th Sabbath.	
25	2	♂ stationary.	
26	3	♂ rises 1h. 10m. morn.	
27	4	♀ near Pleiades.	
28	5	♂ ♀ ☉. ☉ on equator.	
29	6	♂ ♀ ♂.	<i>Pleasant.</i>
30	7	☉ in apogee. Tide 7.5 ft.	
31	D	5th Sabbath. ♂ ♀ ☉ inf.	

THE sweetest peas are those grown in the home garden. Like many another vegetable, peas lose much of their flavor and goodness when kept too long and are best picked just before dinner-time. There are two types of pea—the smooth and the wrinkled. Gardeners might well grow both of them, because the first is the hardest and may be sown early, while the wrinkled is the sweetest. It should be sown when the ground is warm, and all danger of cold is past. One crop of smooth peas for early use is enough. The wrinkled pea has been remarkably developed by skilled plant breeders, and there are now three types, all of the giant podded kind and of first quality. Dwarf, medium and tall wrinkled peas may be had, according to your needs and likes, and each year sees some new variety better than before. The severe tests given peas of late has made them sure growers for the home garden. Quality seeds will not always assure quality crops, however, unless they are planted under proper conditions for growing. A dense planting is too often the cause of failure, and the old-time notion that the thicker the plants the larger the crop is far from correct. You can prove the truth of this very easily by thinning out to give each vine a chance to grow. A single row with the peas two inches apart is an efficient way to grow them, or double rows six inches apart with the peas two inches apart in the rows. Peas need a rich soil, and a generous application of complete plant food will pay for its cost many times. Cultivate them well and often during their growing period. They are a one-crop plant and will not cause you undue work if you will take care of them only when a harvest is in the offing. After they bear,

pull them up, and plant something else in their stead. Plant peas at two-week intervals to provide a continuous crop.

1936

JUNE has thirty days

SUN'S DECLINATION, NORTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	22	6	7	22	47	13	23	14	19	23	26	25	23	23
2	22	14	8	22	53	14	23	17	20	23	27	26	23	21
3	22	21	9	22	58	15	23	20	21	23	27	27	23	19
4	22	28	10	23	2	16	23	22	22	23	27	28	23	16
5	22	35	11	23	7	17	23	24	23	23	26	29	23	13
6	22	41	12	23	11	18	23	25	24	23	25	30	23	10

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 5th day, 0h. 22m. morn.	S 24° 15'	S.
☾ Last Quarter, 12th day, 7h. 5m. morn.	N. 1° 18'	S.W.
☾ New Moon, 19th day, 0h. 15m. morn.	N 23° 57'	N.
☾ First Quarter, 26th day, 2h. 23m. eve.	S 6° 49'	S.E.

D M	Days of Week	☾r h m	☾s h m	L D h m	D in h m	☾so h m	☾p p	☾a a	☾set h m	☾so h m	H W Bost
1	Monday	3 58	7 16	15 18	6 27	11 37	≅	12	1 31	9 6	8 30
2	Tuesday	3 57	7 17	15 20	6 29	11 37	☾	13	1 59	9 53	9 15
3	Wedn'y	3 57	7 18	15 21	6 30	11 37	☾	14	2 32	10 43	9 56
4	Thurs'y	3 56	7 18	15 22	6 31	11 37	☾	15	3 11	11 35	10 40
5	Friday	3 56	7 19	15 23	6 32	11 37	☾	☾	rises	m'rn	11 18
6	Satur'y	3 55	7 20	15 25	6 34	11 38	☾	17	8 50	0 28	11 58
7	Sunday	3 55	7 21	15 26	6 35	11 38	☾	18	9 30	1 22	ev 41
8	Monday	3 55	7 21	15 27	6 36	11 38	≅	19	10 3	2 15	1 24
9	Tuesday	3 54	7 22	15 28	6 37	11 38	≅	20	10 33	3 6	2 11
10	Wedn'y	3 54	7 23	15 29	6 38	11 38	≅	21	10 59	3 56	3 0
11	Thurs'y	3 54	7 23	15 29	6 38	11 39	☾	22	11 25	4 45	3 52
12	Friday	3 54	7 24	15 30	6 39	11 39	☾	☾	11 50	5 33	4 47
13	Satur'y	3 54	7 24	15 30	6 39	11 39	☾	24	m'rn	6 23	5 44
14	Sunday	3 54	7 25	15 31	6 40	11 39	☾	25	0 18	7 15	6 43
15	Monday	3 53	7 25	15 32	6 41	11 39	☾	26	0 49	8 9	7 40
16	Tuesday	3 53	7 25	15 32	6 41	11 40	☾	27	1 26	9 7	8 38
17	Wedn'y	3 53	7 26	15 32	6 41	11 40	☾	28	2 12	10 7	9 33
18	Thurs'y	3 54	7 26	15 32	6 41	11 40	☾	29	3 6	11 9	10 27
19	Friday	3 54	7 27	15 33	6 42	11 40	☾	☾	sets	ev	8 11 18
20	Satur'y	3 54	7 27	15 33	6 42	11 41	☾	1	8 42	1 5	m'rn
21	Sunday	3 54	7 27	15 33	6 42	11 41	☾	2	9 15	1 57	0 9
22	Monday	3 54	7 27	15 33	decr	11 41	☾	3	9 43	2 45	0 58
23	Tuesday	3 54	7 27	15 33	0	11 41	☾	4	10 6	3 30	1 47
24	Wedn'y	3 55	7 28	15 33	0	11 41	☾	5	10 28	4 13	2 36
25	Thurs'y	3 55	7 28	15 33	0	11 42	☾	6	10 49	4 54	3 25
26	Friday	3 55	7 28	15 33	0	11 42	☾	☾	11 10	5 35	4 15
27	Satur'y	3 56	7 28	15 32	0	11 42	☾	8	11 33	6 17	5 8
28	Sunday	3 56	7 28	15 32	0	11 42	☾	9	11 59	7 0	6 2
29	Monday	3 57	7 28	15 31	0	2 11 42	☾	10	m'rn	7 46	6 58
30	Tuesday	3 57	7 27	15 30	0	3 11 43	☾	11	0 30	8 35	7 48

June 1—Day breaks 1h. 39m.; Twilight ends 9h. 37m.

June 15—Day breaks 1h. 26m.; Twilight ends 9h. 54m.

JUNE, 6th month—Begins on Monday 1936



D D Aspects, Holydays,
M W Weather, Etc.

Farmers' Calendar

1	2	Arcturus S. 9h. 15m. eve.
2	3	♂ in aphelion. <i>Cool.</i>
3	4	♀ rises 3h. 35m. morn
4	5	☐ ♀ ☉. ♂ ♀ ☉ runs low.
5	6	Flower Moon. ♂ ♀ ☉.
6	7	♀ near Aldebaron.
7	D	1st Sab. ♀ brightness 8.2.
8	2	Tide 9.4 ft. at Portland.
9	3	♀ rises 7h. 11m. eve.
10	4	♂ ♀ ☉. ♂ ♂ ☉. <i>Cloudy.</i>
11	5	♀ sets 4h. 6m. morn.
12	6	♂ ♀ ☉. ☉ on equator.
13	7	☐ ♀ ☉. <i>Warm</i>
14	D	2d Sabbath. <i>rain.</i>
15	2	♂ ♀ ☉. ♀ in ♄. ☉ in perigee
16	3	♂ rises 11h. 48m. eve.
17	4	Bunker Hill Day. ♂ ♀ ☉.
18	5	♂ ♀ ☉. ♂ ♂ ☉. ☉ runs high
19	6	♂ ♀ ♂. High tide 10.5 ft.
20	7	Pleiades rise 1h. 44m. m'rn
21	D	3d Sabbath. Longest day.
22	2	♂ gr. hel. lat. S.
23	3	Hoeing time. <i>Showers.</i>
24	4	♂ near Aldebaron.
25	5	♂ gr. elong. W22.3°. ☉ on eq.
26	6	♀ rises 3h. 50m. morn.
27	7	☉ in apogee.
28	D	4th Sab. Low tides 7.3 ft.
29	2	♂ ♀ ☉ sup. <i>Rain.</i>
30	3	♂ rises 3h. 30m. morn.

OUR homes are what we make them—good, bad, or indifferent—and their precepts and practices are necessarily more or less sharply defined, intensified, and demonstrated in our own individual lives. Good housekeeping makes good homes, speaking after the manner of men. Tolerably good housekeeping makes tolerably—and never more than tolerably—good homes. Poor housekeeping produces only poor homes. When our homes are strongly and firmly built on good foundations, finished carefully, furnished completely, provisioned fully, and well maintained throughout, the best possible means are provided for a successful resistance of any siege that may be set up against them, from whatever source it may come, and for meeting with a bold front any untoward emergency that may arise in any of the varied walks of life.

The long lines of the irregularly drawn-up armies which file into the business marts of New York, Philadelphia, Boston, Chicago, New Orleans, San Francisco, and thousands of places of lesser population, each week-day morning of the year, and file back again at night, in turn, obtain their daily strength and life-blood, the ammunition for fighting each day's battle at their homes. The residents of the hill towns of New England, of the fertile fields of the sunny South, and of the broad prairies of the great West, each, according to their own manners and customs, exhibit the same features of worldly action to a greater or less degree. From these also go and return, at rise and set of sun, millions, yea, many millions of the human race, to fight for dear life daily, and for those who are dearer even than life itself. How

desirable, nay, how vitally important, then, that these vast armies of men and women and children should endeavor, to make their homes those of economy, comfort, and good cheer.

1936

JULY has thirty-one days

SUN'S DECLINATION, NORTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	23	6	7	22	34	13	21	48	19	20	48	25	19	36
2	23	1	8	22	27	14	21	39	20	20	37	26	19	23
3	22	57	9	22	20	15	21	29	21	20	25	27	19	9
4	22	51	10	22	12	16	21	19	22	20	13	28	18	55
5	22	46	11	22	4	17	21	9	23	20	1	29	18	41
6	22	40	12	21	56	18	20	59	24	19	49	30	18	27

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 4th day, 12h. 35m. eve. S 22° 2' N.

☾ Last Quarter, 11th day, 11h. 28m. morn. N 12° 11' W.

☾ New Moon, 18th day, 10h. 19m. morn. N 19° 2' S.E.

☾ First Quarter, 26th day, 7h. 36m. morn. S 16° 52' N.E.

D M	Days of Week	☾r h m	☾s h m	L D h m	D de h m	☾so h m	☾ p	☾ a	☾set h m	☾so h m	H W Bost
1	Wedn'y	3 58	7 27	15 29	0 4	11 43	☾	12 1	7 9	26 8	38
2	Thurs'y	3 58	7 27	15 29	0 4	11 43	☾	13 1	51 10	19 9	25
3	Friday	3 59	7 27	15 28	0 5	11 43	☾	14 2	44 11	14 10	10
4	Satur'y	4 0	7 27	15 27	0 6	11 43	☾	☾ rises	m'rn	10 55	
5	Sunday	4 0	7 26	15 26	0 7	11 44	☾	16 8	4 0	8 11	35
6	Monday	4 1	7 26	15 25	0 8	11 44	☾	17 8	36 1	1 ev	18
7	Tuesday	4 2	7 26	15 24	0 9	11 44	☾	18 9	3 1	52 1	2
8	Wedn'y	4 2	7 25	15 23	0 10	11 44	☾	19 9	30 2	42 1	48
9	Thurs'y	4 3	7 25	15 22	0 11	11 44	☾	20 9	54 3	31 2	36
10	Friday	4 4	7 24	15 20	0 13	11 44	☾	21 10	20 4	21 3	27
11	Satur'y	4 5	7 24	15 19	0 14	11 44	☾	☾	10 51	5 11	4 23
12	Sunday	4 5	7 23	15 18	0 15	11 45	☾	23 11	26 6	4 5	20
13	Monday	4 6	7 22	15 16	0 17	11 45	☾	24 m'rn	6 59	6 21	
14	Tuesday	4 7	7 22	15 15	0 18	11 45	☾	25 0	6 7	57 7	22
15	Wedn'y	4 8	7 21	15 13	0 20	11 45	☾	26 0	56 8	57 8	22
16	Thurs'y	4 9	7 20	15 11	0 22	11 45	☾	27 1	54 9	56 9	18
17	Friday	4 10	7 20	15 10	0 23	11 45	☾	28 2	59 10	53 10	12
18	Satur'y	4 11	7 19	15 8	0 25	11 45	☾	☾ sets	11 47	11 2	
19	Sunday	4 12	7 18	15 6	0 27	11 45	☾	1 7	43 ev	37 11	50
20	Monday	4 13	7 17	15 4	0 29	11 45	☾	2 8	9 1	23 m'rn	
21	Tuesday	4 14	7 16	15 2	0 31	11 45	☾	3 8	31 2	7 0	35
22	Wedn'y	4 15	7 15	15 0	0 33	11 45	☾	4 8	53 2	49 1	19
23	Thurs'y	4 16	7 14	14 58	0 35	11 45	☾	5 9	14 3	30 2	3
24	Friday	4 17	7 13	14 56	0 37	11 45	☾	6 9	37 4	12 2	47
25	Satur'y	4 18	7 12	14 54	0 39	11 46	☾	7 10	1 4	55 3	33
26	Sunday	4 19	7 11	14 52	0 41	11 46	☾	☾	10 29	5 39	4 25
27	Monday	4 20	7 10	14 50	0 43	11 45	☾	9 11	3 6	26 5	17
28	Tuesday	4 21	7 9	14 48	0 45	11 45	☾	10 11	44 7	16 6	11
29	Wedn'y	4 22	7 8	14 46	0 47	11 45	☾	11 m'rn	8 8	7 7	
30	Thurs'y	4 23	7 7	14 44	0 49	11 45	☾	12 0	33 9	2 8	1
31	Friday	4 24	7 5	14 41	0 51	11 45	☾	13 1	30 9	56 8	52

July 1—Day breaks 1h. 31m.; Twilight ends 9h. 57m.

July 15—Day breaks 1h. 50m.; Twilight ends 9h. 40m.

JULY, 7th month—Begins on Wednesday 1936



D D Aspects, Holydays, M W Weather, Etc.

Farmers' Calendar

- 1 4 Pres. Garfield shot 1881.
- 2 5 ♂ ♀ ☉. ☉ runs low.
- 3 6 ⊕ in aph. ☉'s diam. 31.5'
- 4 7 Hay Moon. ♄ stat.
- 5 D 1st Sabbath. Showers.
- 6 2 Haying begins.
- 7 3 Hawaii acq'd by U.S. 1898
- 8 4 High tides 9.8 ft. Hot.
- 9 5 ♂ ♄ ☉. ☉ on equator.
- 10 6 ♀ sets 2h. 0m. morn.
- 11 7 ♀ near Pollux.
- 12 D 2d Sab. ♄ in ♏. ♂ ♄ ☉.
- 13 2 ♄ rises 10h. 1m. eve.
- 14 3 Low tides 8.3 ft.
- 15 4 ♂ ♄ ♂. ☉ runs high.
- 16 5 ♄ in perihelion.
- 17 6 ♂ ♂ ☉. ♂ ♄ ☉. Pleasant.
- 18 7 ♂ ♀ ☉. High tides 10.1 ft.
- 19 D 3d Sabbath. ♀ in perihelion.
- 20 2 Pleiades rise 11h. 48m. eve.
- 21 3 Alphecca S. 7h. 17m. eve.
- 22 4 ♂ ♀ ☉. ☉ on equator.
- 23 5 ♂ ♄ ☉ sup. Thunder
- 24 6 ♂ rises 3h. 9m. morn.
- 25 7 ☉ in apogee. showers.
- 26 D 4th Sab. ♄ gr. hel. lat. N.
- 27 2 ♀ sets 7h. 40m. eve.
- 28 3 Low tides 7.0 ft.
- 29 4 ♂ ♀ ☉. Muggy.
- 30 5 ☉ runs low.
- 31 6 ♂ near Pollux.

THE name "dollar," which was applied to the American unit of money came from the silver coin invented and minted by the Count of Schlick, at St. Joachimsthal, Bohemia, toward the end of the fifteenth century. Locally this new coin was first called "the Joachimsthaler." In Germany, the name was shortened to "thaler;" in Holland it became "daler;" and in England and the American Colonies, "dollar." But although the name came circuitously from a little town in Bohemia, the United States really got its monetary unit from Spain. The dollar is really a "piece of eight"—the same glamorous piece of eight that played such an important role in pirate activities on the Spanish Main. In Spanish this signified eight reales. In English it is spoken of as eight "bits." A bit is twelve and a half cents. In the South and West it is still customary to say "two bits" and "six bits." So does the division of the pieces of eight of piratic days on the Spanish Main still survive. In 1794, the silver coins of the new nation began to appear—the half dime, half dollar, and dollar. In 1795 came the half eagle and eagle in gold. The silver dime and quarter dollar appeared in 1796, as did the quarter eagle. The double eagle, however, was not struck for circulation until 1850. Of these the half dime has been displaced by the nickel five-cent piece. The present one-cent piece has been added and completes the metal currency as now in use. Other coins have been issued, maintained for a time, and discontinued. A three-dollar gold piece was minted from 1853 to 1890; a one-dollar gold piece from 1849 to 1890; a trade silver dollar for use in China, that was heavier than the standard coin, from 1873 to 1887; a three-

cent silver piece from 1851 to 1873; a three-cent nickel piece from 1865 to 1890. A two-cent bronze piece, a big one-cent copper, a one-cent nickel piece, and a half-cent copper have been minted for a time and abandoned.

1936

AUGUST has thirty-one days

SUN'S DECLINATION, NORTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	17	57	7	16	21	13	14	35	19	12	41	25	10	40
2	17	42	8	16	4	14	14	17	20	12	21	26	10	19
3	17	26	9	15	47	15	13	58	21	12	1	27	9	58
4	17	10	10	15	29	16	13	39	22	11	41	28	9	37
5	16	54	11	15	11	17	13	20	23	11	21	29	9	15
6	16	37	12	14	53	18	13	1	24	11	0	30	8	54

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 2nd day, 10h. 47m. eve.	S 14° 32'	S.
☾ Last Quarter, 9th day, 3h. 59m. eve.	N 20° 28'	N.W.
☾ New Moon, 16th day, 10h. 21m. eve.	N 9° 42'	N.W.
☾ First Quarter, 25th day, 0h. 49m. morn.	S 23° 1'	W.

D	Days of	☾r	☾s	L	D	D	☾so	☾	☾	☾set	☾so	H	W
M	Week	h m	h m	h	m	h m	h m	p	a	h m	h m	W	Bost
1	Satur'y	4 26	7 4	14 38	0 54	11 45	☾	14	2 35	10 51	9 40		
2	Sunday	4 27	7 3	14 36	0 56	11 45	☾	☾	rises	11 44	10 25		
3	Monday	4 28	7 1	14 33	0 59	11 45	☾	16	7 5	m'rn	11 9		
4	Tuesday	4 29	7 0	14 31	1 1	11 45	☾	17	7 33	0 35	11 53		
5	Wedn'y	4 30	6 59	14 29	1 3	11 45	☾	18	7 59	1 26	ev 38		
6	Thurs'y	4 31	6 57	14 26	1 6	11 45	☾	19	8 26	2 17	1 24		
7	Friday	4 32	6 56	14 24	1 8	11 45	☾	20	8 54	3 8	2 12		
8	Satur'y	4 34	6 55	14 21	1 11	11 45	☾	21	9 28	4 0	3 3		
9	Sunday	4 35	6 53	14 18	1 14	11 44	☾	☾	10 7	4 55	4 0		
10	Monday	4 36	6 52	14 16	1 16	11 44	☾	23	10 53	5 52	4 59		
11	Tuesday	4 37	6 50	14 13	1 19	11 44	☾	24	11 47	6 50	6 1		
12	Wedn'y	4 38	6 49	14 11	1 21	11 44	☾	25	m'rn	7 49	7 6		
13	Thurs'y	4 40	6 47	14 7	1 25	11 44	☾	26	0 49	8 45	8 9		
14	Friday	4 41	6 46	14 5	1 27	11 44	☾	27	1 56	9 39	9 7		
15	Satur'y	4 42	6 44	14 2	1 30	11 43	☾	28	3 4	10 30	10 0		
16	Sunday	4 43	6 42	13 59	1 33	11 43	☾	☾	sets	11 17	10 46		
17	Monday	4 44	6 41	13 57	1 35	11 43	☾	1	6 35	ev 2	11 29		
18	Tuesday	4 46	6 40	13 54	1 38	11 43	☾	2	6 57	12 45	m'rn		
19	Wedn'y	4 47	6 38	13 51	1 41	11 43	☾	3	7 18	1 27	0 11		
20	Thurs'y	4 48	6 37	13 49	1 43	11 42	☾	4	7 40	2 8	0 51		
21	Friday	4 49	6 35	13 46	1 46	11 42	☾	5	8 4	2 50	1 30		
22	Satur'y	4 50	6 34	13 44	1 49	11 42	☾	6	8 31	3 34	2 11		
23	Sunday	4 51	6 32	13 41	1 52	11 42	☾	7	9 2	4 19	2 55		
24	Monday	4 52	6 30	13 38	1 55	11 41	☾	8	9 39	5 7	3 42		
25	Tuesday	4 53	6 28	13 35	1 58	11 41	☾	☾	10 23	5 57	4 34		
26	Wedn'y	4 54	6 27	13 33	2 0	11 41	☾	10	11 16	6 50	5 30		
27	Thurs'y	4 55	6 25	13 30	2 3	11 41	☾	11	m'rn	7 43	6 27		
28	Friday	4 56	6 23	13 27	2 6	11 40	☾	12	0 17	8 37	7 25		
29	Satur'y	4 58	6 21	13 23	2 10	11 40	☾	13	1 24	9 30	8 18		
30	Sunday	4 59	6 20	13 21	2 12	11 40	☾	14	2 37	10 23	9 8		
31	Monday	5 0	6 18	13 18	2 15	11 39	☾	15	3 52	11 14	9 56		

August 1—Day breaks 2h. 22m.; Twilight ends 9h. 8m.

August 15—Day breaks 2h. 47m.; Twilight ends 8h. 37m.

AUGUST, 8th month—Begins on Saturday 1936



D D Aspects, Holydays, M W Weather, Etc.

Farmers' Calendar

1	7	♂ ♀ ♀. ☐ ♂ ☉.
2	D	1st Sabbath. Grain Moon.
3	2	Antares S. 7h. 20m. eve.
4	3	High tides 10.2 ft.
5	4	☉ on equator. <i>Dry.</i>
6	5	♂ ♀ ☉. ☉ in perigee.
7	6	Sabik S. 7h. 45m. eve.
8	7	♂ sets 0h. 0m. midnight.
9	D	2d Sabbath. ♀ near Regulus
10	2	♀ gr. hel. lat. N. <i>Rain.</i>
11	3	♂ stat. ☉ runs high.
12	4	Low tides 8.0 ft. <i>Foggy</i>
13	5	♂ rises 7h. 57m. eve.
14	6	Shaula S. 7h. 40m. eve.
15	7	♂ ♂ ☉. ♂ stationary.
16	D	3d Sabbath. <i>mornings.</i>
17	2	♂ ♀ ♀. Tide 9.5 ft.
18	3	♂ ♀ ☉. ♂ ♀ ☉. ☉ on eq.
19	4	♂ ♀ ☉. ♀ in ☉. <i>Warm.</i>
20	5	Pleiades rise 9h. 44m. eve.
21	6	Rasalag S. 8h. 14m. eve.
22	7	☉ in apogee. <i>Sultry.</i>
23	D	4th Sabbath. ♂ ♀ ♀.
24	2	Kaus Aus. S. 7h. 50m. eve.
25	3	Medium tides 8.1 ft.
26	4	♂ ♀ ☉. ☉ runs low.
27	5	♀ sets 7h. 7m. eve.
28	6	Vega S. 7h. 49m. eve.
29	7	♀ in aphelion. <i>Clear.</i>
30	D	5th Sabbath. <i>Cooler.</i>
31	2	♂ rises 2h. 47m. morn.

WE live in an age of conquests over nature. One by one in swift succession her secrets are being wrested from her—the secrets that have baffled the ages. "In nature's infinite book of secrecy," says the soothsayer in "Anthony and Cleopatra," "a little I can read." So also said that other seer in real life, Sir Isaac Newton, greatest and most modest of men. He professed to be no more than a child who had gathered a few pebbles on the shore of the unknown. It is an attitude well befitting the wisest of mankind, but it is one hard to maintain in these wonderful days in which we live. Is it mere coincidence or something else that the long efforts of all the centuries seem to be reaching their consummation in a rush. The geographers, the physicists, the biologists, the chemists, the astronomers are putting the crown on the labors of their predecessors in a kind of rush. Scarcely is one marvelous triumph achieved than another is announced. We have come near, in radium, to perpetual motion and an energy which renews itself even while it is dissipated. We have (at least, we think we have) solved the mystery of the constitution of matter. How many thousands of years it may be since philosophers first began to speculate on that theme we do not know. No doubt there were learned persons in Ninevah and Babylon and Thebes who felt sure that a brick wall or a granite pyramid was not nearly as substantial as it looked, but, on the contrary, was entirely insubstantial, being composed of moving atoms or discharges of force. "Everything flows," said the old Greek, anticipating our latest savants who hold that everything moves at the speed of light or something like it. But the interesting speculation was left to the meta-

physicians until the cathode rays handed it over to the scientists.

1936

SEPTEMBER has thirty days

SUN'S DECLINATION, NORTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	8	11	7	5	57	13	3	41	19	1	22	25	0	58
2	7	49	8	5	35	14	3	18	20	0	58	26	1	22
3	7	27	9	5	12	15	2	55	21	0	35	27	1	45
4	7	5	10	4	49	16	2	31	22	0	12	28	2	8
5	6	42	11	4	27	17	2	8	23	S	12	29	2	32
6	6	20	12	4	4	18	1	45	24	0	35	30	2	55

Moon's Phases

Decl'n Azimuth

☾ Full Moon, 1st day, 7h. 37m. morn.	S 3° 55'	W.
☾ Last Quarter, 7th day, 10h. 14m. eve.	N 23° 57'	N.E.
☾ New Moon, 15th day, 12h. 41m. eve.	S 1° 37'	S.W.
☾ First Quarter, 23rd day, 5h. 12m. eve.	S 23° 16'	S.
☾ Full Moon, 30th day, 4h. 1m. eve.	N 7° 31'	E.

D M	Days of Week	☾ h m	☾s h m	L D h m	D de h m	☾so h m	☾ p	☾ a	☾ri h m	☾so h m	H W Bost
1	Tuesday	5 16	16 13	15 2	18 11	39 11	☾	☾	6 0	m'rn	10 40
2	Wedn'y	5 26	14 13	12 2	21 11	39 11	☾	☾	6 27	0 6	11 26
3	Thurs'y	5 46	12 13	8 2	25 11	38 11	☾	☾	6 56	0 59	ev 12
4	Friday	5 56	10 13	5 2	28 11	38 11	☾	☾	7 29	1 53	10 59
5	Satur'y	5 66	8 13	2 2	31 11	38 11	☾	☾	8 6	2 49	1 50
6	Sunday	5 76	7 13	0 2	33 11	37 11	☾	☾	8 51	3 46	2 43
7	Monday	5 86	5 12	57 2	36 11	37 11	☾	☾	9 44	4 45	3 41
8	Tuesday	5 106	3 12	53 2	40 11	37 11	☾	☾	10 43	5 44	4 41
9	Wedn'y	5 116	1 12	50 2	43 11	36 11	☾	☾	11 48	6 41	5 47
10	Thurs'y	5 125	59 12	47 2	46 11	36 11	☾	☾	25 m'rn	7 36	6 54
11	Friday	5 135	57 12	44 2	49 11	36 11	☾	☾	0 55	8 27	7 57
12	Satur'y	5 145	55 12	41 2	52 11	35 11	☾	☾	2 2	9 14	8 53
13	Sunday	5 165	53 12	37 2	56 11	35 11	☾	☾	3 8	10 0	9 42
14	Monday	5 175	52 12	35 2	58 11	35 11	☾	☾	4 12	10 42	10 26
15	Tuesday	5 185	50 12	32 3	1 11	34 11	☾	☾	sets	11 24	11 5
16	Wedn'y	5 195	48 12	29 3	4 11	34 11	☾	☾	5 45	ev 5	11 44
17	Thurs'y	5 205	46 12	26 3	7 11	34 11	☾	☾	6 9	12 47	m'rn
18	Friday	5 225	45 12	23 3	10 11	33 11	☾	☾	6 34	1 30	0 21
19	Satur'y	5 235	43 12	20 3	13 11	33 11	☾	☾	7 3	2 15	0 59
20	Sunday	5 245	41 12	17 3	16 11	32 11	☾	☾	7 38	3 2	1 41
21	Monday	5 255	39 12	14 3	19 11	32 11	☾	☾	8 19	3 50	2 23
22	Tuesday	5 265	37 12	11 3	22 11	32 11	☾	☾	9 7	4 41	3 8
23	Wedn'y	5 275	35 12	8 3	25 11	31 11	☾	☾	10 4	5 32	3 58
24	Thurs'y	5 285	34 12	6 3	27 11	31 11	☾	☾	11 6	6 24	4 53
25	Friday	5 295	32 12	3 3	30 11	31 11	☾	☾	10 m'rn	7 16	5 50
26	Satur'y	5 305	30 12	0 3	33 11	30 11	☾	☾	0 15	8 8	6 48
27	Sunday	5 315	28 11	57 3	36 11	30 11	☾	☾	1 26	9 0	7 43
28	Monday	5 335	26 11	53 3	40 11	30 11	☾	☾	2 41	9 59	8 35
29	Tuesday	5 345	24 11	50 3	43 11	29 11	☾	☾	3 58	10 44	9 24
30	Wedn'y	5 355	22 11	47 3	46 11	29 11	☾	☾	5 16	11 38	10 12

September 1—Day breaks 3h. 16m.; Twilight ends 8h. 3m.

September 15—Day breaks 3h. 37m.; Twilight ends 7h. 31m.

SEPTEMBER, 9th month—Begins on Tuesday 1936



**D D Aspects, Holydays,
M W Weather, Etc.**

Farmers' Calendar

1	3	Fruit Moon. ☾ on eq.	
2	4	♂ ♀ ☾. High tides 10.4 ft.	
3	5	☾ in perigee.	<i>Cool</i>
4	6	♂ gr. elong. E. 27.1°.	
5	7	♂ ♀ ☾.	<i>nights.</i>
6	D	1st Sabbath. ♀ near Spica.	
7	2	Labor Day.	<i>Rain.</i>
8	3	☐ 2 ☉. ☾ runs high.	
9	4	♂ ♀ ☉.	
10	5	Low tides 8.0 ft.	
11	6	♂ ♀ ☉.	<i>Warmer.</i>
12	7	♂ brightness 5.2.	
13	D	2d Sabbath. ♂ ♂ ☾.	
14	2	2 sets 9h. 33m. eve.	
15	3	♂ ♀ ☾. ♂ ♀ ♀. ☾ on eq.	
16	4	Medium tides 8.9 ft.	
17	5	♂ ♀ ☾. ♂ ♀ ☾. ♀ stat.	
18	6	♂ gr. hel. lat. S. ☾ in apog.	
19	7	Pleiades rise 7h. 42m. eve.	
20	D	3d Sabbath.	<i>Fair.</i>
21	2	♀ near Spica.	
22	3	♂ 2 ☾. ☾ runs low.	
23	4	Nunki S. 6h. 23m. eve.	
24	5	Low tides 7.0 ft.	
25	6	♂ sets 4h. 22m. morn.	
26	7	♀ sets 6h. 24m. eve.	
27	D	4th Sabbath. ♂ near Regulus	
28	2	♂ rises 2h. 30m. morn.	
29	3	♂ ♀ ☾. ☾ on equator.	
30	4	Harvest Moon. ♂ ♀ ☉ inf.	

MORE than any other species of animal, the rat and mouse have become dependent on man, and in so doing they have developed characteristics which are amazingly human. In the first place, like man, the rat is practically omnivorous. It eats anything that lets it, and devours its own kind under stress. It adapts itself to all kinds of climates. It climbs and it swims. It knows how to organize hordes, and unlike any other species of living things except man, it makes ferocious war upon its own kind. There is no certain knowledge of rats in Europe until shortly after the Crusades. The brown rat came to America from England. It appears to have had a hard time only in countries where the population is what is spoken of as "thrifty." It has never done well in Scotland or among the Swiss. At the present time the brown rat, or common rat, has spread across the North American continent from Panama to Alaska, has penetrated to all the less tropical parts of South America, to the South Sea Islands, to New Zealand and to Australia. In fact, it has conquered the world. Only the extreme cold of Greenland does not seem to attract it. Wherever it has gone, it has driven out the black rat and all rival rodents that compete with it. Man and the rat are, so far, the most successful animals of prey. They are utterly destructive of other forms of life. Unlike plants, bacteria, insects, birds, neither of them is of the slightest use to any other species of living things. Gradually these two have spread across the earth, keeping pace with each other and unable to destroy each other, though continually hostile. Man and the rat will always be pitted against each other as implacable

enemies. And the rat's most potent weapons against mankind have been its perpetual maintenance of the infectious agents of plague and of typhus fever.

1936

OCTOBER has thirty-one days

SUN'S DECLINATION, SOUTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	3	18	7	5	37	13	7	54	19	10	6	25	12	13
2	3	42	8	6	0	14	8	16	20	10	28	26	12	33
3	4	5	9	6	23	15	8	38	21	10	49	27	12	54
4	4	28	10	6	46	16	9	0	22	11	10	28	13	14
5	4	51	11	7	9	17	9	22	23	11	31	29	13	34
6	5	14	12	7	31	18	9	44	24	11	52	30	13	54

Moon's Phases

Decl'n Azimuth

☾ Last Quarter, 7th day, 7h. 28m. morn. N 21° 16' S.W.

☾ New Moon, 15th day, 5h. 20m. morn. S 12° 45' E.

☾ First Quarter, 23rd day, 7h. 54m. morn. S 17° 22' N.E.

☾ Full Moon, 30th day, 0h. 58m. morn. N 17° 22' S.W.

D	Days of	☾r	☾s	L	D	D de	☾so	☾	☾	☾ri	☾s9	H W
M	Week	h m	h m	h m	m	h m	h m	p	a	h m	h m	Bost
1	Thurs'y	5 36	5 20	11 44	3 49	11 29	☾	16	5 26	m'rn	10 59	
2	Friday	5 38	5 18	11 40	3 53	11 28	☾	17	6 3	0 34	11 47	
3	Satur'y	5 39	5 17	11 38	3 55	11 28	☾	18	6 46	1 33	ev 37	
4	Sunday	5 40	5 15	11 35	3 58	11 28	☾	19	7 37	2 34	1 29	
5	Monday	5 41	5 13	11 32	4 1	11 27	☾	20	8 36	3 35	2 24	
6	Tuesday	5 43	5 11	11 28	4 5	11 27	☾	21	9 41	4 35	3 23	
7	Wedn'y	5 44	5 9	11 25	4 8	11 27	☾	22	10 48	5 31	4 24	
8	Thurs'y	5 45	5 7	11 22	4 11	11 27	☾	22	11 54	6 24	5 31	
9	Friday	5 46	5 6	11 20	4 13	11 26	☾	23	m'rn	7 12	6 36	
10	Satur'y	5 48	5 4	11 16	4 17	11 26	☾	24	1 1	7 58	7 38	
11	Sunday	5 49	5 2	11 13	4 20	11 26	☾	25	2 5	8 41	8 31	
12	Monday	5 50	5 0	11 10	4 23	11 26	☾	26	3 7	9 23	9 19	
13	Tuesday	5 52	4 58	11 6	4 27	11 25	☾	27	4 9	10 4	10 1	
14	Wedn'y	5 53	4 57	11 4	4 29	11 25	☾	28	5 10	10 46	10 39	
15	Thurs'y	5 54	4 55	11 1	4 32	11 25	☾	28	sets	11 28	11 18	
16	Friday	5 55	4 54	10 59	4 34	11 25	☾	1	5 13	ev 13	11 55	
17	Satur'y	5 56	4 52	10 56	4 37	11 25	☾	2	5 40	12 59	m'rn	
18	Sunday	5 57	4 51	10 54	4 39	11 24	☾	3	6 19	1 47	0 33	
19	Monday	5 58	4 49	10 51	4 42	11 24	☾	4	7 6	2 36	1 13	
20	Tuesday	6 0	4 47	10 47	4 46	11 24	☾	5	7 57	3 27	1 54	
21	Wedn'y	6 1	4 46	10 45	4 48	11 24	☾	6	8 56	4 18	2 39	
22	Thurs'y	6 2	4 44	10 42	4 51	11 24	☾	7	10 0	5 8	3 28	
23	Friday	6 4	4 42	10 38	4 55	11 23	☾	8	11 8	5 58	4 21	
24	Satur'y	6 5	4 41	10 36	4 57	11 23	☾	9	m'rn	6 48	5 17	
25	Sunday	6 6	4 39	10 33	5 0	11 23	☾	10	0 18	7 37	6 14	
26	Monday	6 8	4 38	10 30	5 3	11 23	☾	11	1 31	8 28	7 8	
27	Tuesday	6 9	4 36	10 27	5 6	11 23	☾	12	2 47	9 20	8 2	
28	Wedn'y	6 10	4 35	10 25	5 8	11 23	☾	13	4 5	10 15	8 54	
29	Thurs'y	6 12	4 33	10 21	5 12	11 23	☾	14	5 25	11 13	9 45	
30	Friday	6 13	4 32	10 19	5 14	11 23	☾	15	rises	m'rn	10 36	
31	Satur'y	6 15	4 30	10 15	5 18	11 23	☾	16	5 23	0 15	11 26	

October 1—Day breaks 4h. 0m.; Twilight ends 6h. 59m.

October 15—Day breaks 4h. 18m.; Twilight ends 6h. 34m.

OCTOBER, 10th month—Begins on Thursday 1936



**D D Aspects, Holydays,
M W Weather, Etc.**

Farmers' Calendar

1	5	☾ in perigee.
2	6	♂ ♀ ☾. High tide 11.0 ft.
3	7	Altair S. 6h. 40m. eve.
4	D	1st Sabbath.
5	2	♀ in ♍. ☾ runs high.
6	3	♂ sets 8h. 19m. eve.
7	4	♀ in ♏. <i>Cloudy.</i>
8	5	Fomalhaut S. 9h. 25m. eve
9	6	♀ stat. Low tides 8.0 ft.
10	7	♀ in Libra. <i>Rain.</i>
11	D	2d Sabbath. ♂ ♂ ☾.
12	2	♀ in perigee. ☾ on equator.
13	3	♂ ♀ ☾. <i>Fair</i>
14	4	Medium tides 9.1 ft.
15	5	♂ gr. hel. lat. N. ☾ on eq.
16	6	♀ gr. elong. W. 18.2°.
17	7	♂ ♀ ☾. <i>and</i>
18	D	3d Sabbath. ♀ in Virgo.
19	2	☾ runs low.
20	3	♂ ♀ ☾. <i>cooler.</i>
21	4	Pleiades rise 5h. 41m. eve.
22	5	♀ gr. hel. lat. N.
23	6	Low tides 7.3 ft.
24	7	♀ sets 6h. 0m. eve
25	D	4th Sabbath. ♂ ♂ ♀.
26	2	♂ ♀ ☾. ☾ on equator.
27	3	♂ sets 2h. 6m. morn.
28	4	♂ rises 2h. 10m. morn.
29	5	♀ near Antares. ☾ in per.
30	6	Hunters' Moon. ♂ ♀ ☾.
31	7	♂ ♀ ☾. High tides 11.3 ft.

OAXACA, whose name is unpronounceable to Americans until it is phonetically worded "wah-hah-kah," is in the rocking chair of Mexico. Earth tremors are of such common occurrence there that the houses are low, massive, with a more distinct Spanish-Moorish cast than those of any other Mexican city. Certain of its dwellings are fortresslike in character, designed to resist both earthquakes and mobs. Oaxaca is one of the most attractive and interesting cities of Mexico. Only 37 years after Columbus sighted the New World a Spanish convent was established there, and its fine cathedral was founded in 1553. The church bells are soft and melodious, for Oaxaca was once the most godly see in New Spain, and the faithful were called to prayer by bells of gold and silver. No state in Mexico was richer in precious metals when the Spaniards came. It is rich even yet, for its mines have scarcely been tapped. Hardly a day passes that some family of Indians does not drift in from the bush with raw gold to sell. A mile above sea level, the city of Oaxaca is, nevertheless, almost entirely surrounded by hills and mountains. The city of Oaxaca has only about 40,000 inhabitants, but the state it governs is estimated to contain almost a million people, most of them Indians of the Mixtec and Zapotec tribes. Most unusual of the Oaxaca native industries is the gathering of cochineal. Oaxaca claims to be the original home of these tiny insects, which thrive on the broad, spiked leaves of the cactus plant. Indians gather the cochineal during the dry season, sweeping the insects into a bag with a brush. Killed by quick immersion in boiling water, or by baking, and thoroughly dried in the sun, the cochineal yields the vivid

red dye which is the envy of the modern chemical industry.

1936

NOVEMBER has thirty days

SUN'S DECLINATION, SOUTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	14	32	7	16	23	13	18	3	19	19	33	25	20	49
2	14	51	8	16	40	14	18	19	20	19	46	26	21	1
3	15	10	9	16	58	15	18	35	21	20	0	27	21	12
4	15	29	10	17	15	16	18	50	22	20	13	28	21	22
5	15	47	11	17	31	17	19	4	23	20	25	29	21	32
6	16	5	12	17	47	18	19	19	24	20	37	30	21	42

Moon's Phases

Decl'n Azimuth

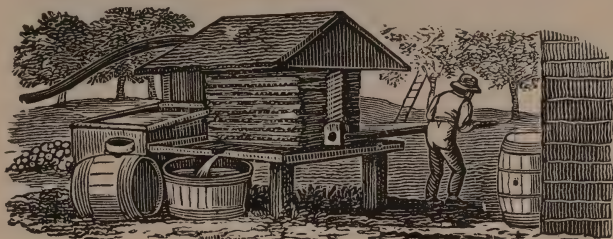
- ☾ Last Quarter, 5th day, 8h. 29m. eve. N 13° 5' N.E.
 ☾ New Moon, 13th day, 11h. 42m. eve. S 20° 55' N.
 ☾ First Quarter, 21st day, 8h. 19m. eve. S 7° 9' S.W.
 ☾ Full Moon, 28th day, 11h. 12m. morn. N 22° 58' N.

D M	Days of Week	☾ h m	☾ h m	L D h m	D de h m	☾ so h m	☾ p	☾ a	☾ ri h m	☾ so h m	H W Bost
1	Sunday	6 16	4 29	10 13	5 20	11 23	☾	17	6 21	1 18	ev 18
2	Monday	6 17	4 27	10 10	5 23	11 23	☾	18	7 27	2 21	1 11
3	Tuesday	6 19	4 26	10 7	5 26	11 23	☾	19	8 35	3 21	2 7
4	Wedn'y	6 20	4 25	10 5	5 28	11 23	☾	20	9 44	4 17	3 4
5	Thurs'y	6 21	4 23	10 2	5 31	11 23	☾	21	10 52	5 8	4 4
6	Friday	6 23	4 22	9 59	5 34	11 23	☾	22	11 57	5 55	5 6
7	Satur'y	6 24	4 21	9 57	5 36	11 23	☾	23	m'rn	6 40	6 9
8	Sunday	6 26	4 19	9 53	5 40	11 23	☾	24	1 1	7 22	7 7
9	Monday	6 27	4 18	9 51	5 42	11 23	☾	25	2 2	8 3	8 0
10	Tuesday	6 28	4 17	9 49	5 44	11 23	☾	26	3 3	8 45	8 50
11	Wedn'y	6 30	4 16	9 46	5 47	11 23	☾	27	4 4	9 27	9 33
12	Thurs'y	6 31	4 15	9 44	5 49	11 23	☾	28	5 5	10 10	10 12
13	Friday	6 32	4 14	9 42	5 51	11 23	☾	29	sets	10 56	10 50
14	Satur'y	6 34	4 14	9 40	5 53	11 24	☾	1	4 18	11 44	11 30
15	Sunday	6 35	4 13	9 38	5 55	11 24	☾	2	5 2	ev 33	m'rn
16	Monday	6 36	4 12	9 36	5 57	11 24	☾	3	5 52	1 23	0 8
17	Tuesday	6 37	4 11	9 34	5 59	11 24	☾	4	6 50	2 14	0 47
18	Wedn'y	6 38	4 10	9 32	6 1	11 24	☾	5	7 53	3 4	1 30
19	Thurs'y	6 40	4 9	9 29	6 4	11 25	☾	6	8 58	3 54	2 14
20	Friday	6 41	4 8	9 27	6 6	11 25	☾	7	10 6	4 42	3 2
21	Satur'y	6 42	4 7	9 25	6 8	11 25	☾	8	11 16	5 30	3 52
22	Sunday	6 44	4 6	9 22	6 11	11 25	☾	9	m'rn	6 18	4 45
23	Monday	6 45	4 6	9 21	6 12	11 26	☾	10	0 26	7 7	5 40
24	Tuesday	6 46	4 5	9 19	6 14	11 26	☾	11	1 40	7 59	6 36
25	Wedn'y	6 47	4 4	9 17	6 16	11 26	☾	12	2 56	8 54	7 32
26	Thurs'y	6 49	4 4	9 15	6 18	11 27	☾	13	4 15	9 54	8 26
27	Friday	6 50	4 3	9 13	6 20	11 27	☾	14	5 34	10 54	9 21
28	Satur'y	6 51	4 3	9 12	6 21	11 27	☾	15	rises	11 58	10 15
29	Sunday	6 52	4 2	9 10	6 23	11 28	☾	16	5 4	m'rn	11 8
30	Monday	6 54	4 2	9 8	6 25	11 28	☾	17	6 13	1 2	ev 1

November 1—Day breaks 4h. 38m.; Twilight ends 6h. 8m.

November 15—Day breaks 4h. 55m.; Twilight ends 5h. 53m.

NOVEMBER, 11th mo.—Begins on Sunday 1936



**D D Aspects, Holydays,
M W Weather, Etc.**

Farmers' Calendar

- | | | | |
|----|---|------------------------------|---------|
| 1 | D | 1st Sabbath. ☉ runs high. | |
| 2 | 2 | ♂ brightness 0.0. | |
| 3 | 3 | Markab S. 7h. 52m. eve. | |
| 4 | 4 | ♂ sets 6h. 45m. eve. | |
| 5 | 5 | Alpheratz S. 8h. 47m. eve. | |
| 6 | 6 | Hamal S. 10h. 40m. eve. | |
| 7 | 7 | Medium tides 8.1 ft. | |
| 8 | D | 2d Sabbath. ♂ ♀ ☉. ☉ on eq. | |
| 9 | 2 | ♀ in aphelion. ♂ ♂ ☉. | |
| 10 | 3 | ♂ sets 1h. 9m. morn. | |
| 11 | 4 | Martinmas. | |
| 12 | 5 | ☉ in apogee. | Freeze. |
| 13 | 6 | ♂ ♀ ♀. ♂ ♀ ☉. | |
| 14 | 7 | High tides 9.1 ft. | |
| 15 | D | 3d Sabbath. ♀ in ☉. | |
| 16 | 2 | ♂ ♀ ☉. ☉ runs low | |
| 17 | 3 | ♂ ♀ ☉. | Cold |
| 18 | 4 | ♂ ♀ ☉ sup. | rain. |
| 19 | 5 | ♂ stationary. | |
| 20 | 6 | ♂ in aphelion. | |
| 21 | 7 | Medium tides 7.9 ft. | |
| 22 | D | 4th Sab. Pleiades S. midn't. | |
| 23 | 2 | ♂ ♀ ☉. ☉ on equator. | |
| 24 | 3 | ♀ sets 6h. 22m. eve. | |
| 25 | 4 | ♀ in aphelion. | |
| 26 | 5 | ♂ ♂ ☉. ♀ near Nunki. | |
| 27 | 6 | ☉ in perigee. | Windy. |
| 28 | 7 | Moon before Yule. | |
| 29 | D | 5th Sab. High tide 11.2 ft. | |
| 30 | 2 | ♂ rises 1h. 43m. morn. | |

ALTHOUGH meat was used as food for man before the dawn of civilization, it is actually only within the past 10 years that any real progress has been made in standardizing methods of meat cookery. There has been a virtual revolution in the field of meat cookery. Age-old ideas once thought infallible, have been dethroned. This is not at all strange when we consider that many old practices really were not founded upon fact, but upon guess-work. We thought we were right, but scientific investigation has proved we were wrong. As an example of the reversal of ideas, we cite the fact that basting of roasts is now regarded as wasteful of both time and energy. The old recipes for roasting solemnly warned the housewife to dip drippings over the meat every 10 or 15 minutes. This practice was supposed to add flavor and keep the meat from drying out. The modern way is to put a roast in the pan, fat-side up, and this allows for self-basting. The modern housewife has learned new facts about temperatures in meat cookery. The new way is to use low temperatures—around 300 degrees. A low temperature increases the time of cooking, but does not increase fuel consumption. This was forcefully illustrated at the Live Stock and Meat Exhibit at A Century of Progress—an exhibit studied by at least three million persons. Two roasts of beef, cooked to the rare stage, but at different temperatures, were shown. One roast was cooked at a high temperature for three hours. The other was cooked at a lower temperature for five hours. The roast in the oven for five hours took only two-thirds as much fuel as the roast cooked in the shorter time at a higher temperature.

1936 DECEMBER has thirty-one days

SUN'S DECLINATION, SOUTH

Days	d	m	Days	d	m	Days	d	m	Days	d	m	Days	d	m
1	21	52	7	22	39	13	23	11	19	23	26	25	23	24
2	22	1	8	22	46	14	23	14	20	23	26	26	23	22
3	22	9	9	22	52	15	23	18	21	23	27	27	23	19
4	22	17	10	22	57	16	23	20	22	23	27	28	23	16
5	22	25	11	23	2	17	23	23	23	23	26	29	23	13
6	22	32	12	23	7	18	23	24	24	23	25	30	23	9

Moon's Phases

Decl'n Azimuth

☾ Last Quarter, 5th day, 1h. 20m. eve.	N 1° 43'	W.
☾ New Moon, 13th day, 6h. 25m. eve.	S 23° 25'	W.
☾ First Quarter, 21st day, 6h. 30m. morn.	N 4° 35'	N.
☾ Full Moon, 27th day, 11h. 0m. eve.	N 22° 12'	S.E.

D	Days of	☾r	☾s	L	D	D	☾so	☾p	☾a	☾ri	☾so	H	W						
M	Week	h	m	h	m	h	m	h	m	h	m	h	Wost						
1	Tuesday	6	55	4	1	9	6	6	27	11	28	☾	18	7	26	2	2	12	54
2	Wedn'y	6	56	4	1	9	5	6	28	11	29	☾	19	8	36	2	57	1	47
3	Thurs'y	6	57	4	1	9	4	6	29	11	29	☾	20	9	44	3	48	2	42
4	Friday	6	58	4	0	9	2	6	31	11	29	☾	21	10	50	4	35	3	37
5	Satur'y	6	59	4	0	9	1	6	32	11	30	☾	22	11	53	5	19	4	34
6	Sunday	7	0	4	0	9	0	6	33	11	30	☾	23	m'rn	6	1	5	32	
7	Monday	7	1	4	0	8	59	6	34	11	31	☾	24	0	55	6	42	6	28
8	Tuesday	7	2	3	59	8	57	6	36	11	31	☾	25	1	56	7	24	7	23
9	Wedn'y	7	3	3	59	8	56	6	37	11	32	☾	26	2	57	8	7	8	14
10	Thurs'y	7	4	3	59	8	55	6	38	11	32	☾	27	3	58	8	52	9	1
11	Friday	7	5	3	59	8	54	6	39	11	33	☾	28	4	58	9	39	9	43
12	Satur'y	7	6	4	0	8	54	6	39	11	33	☾	29	5	56	10	28	10	24
13	Sunday	7	7	4	0	8	53	6	40	11	33	☾	☾	sets	11	19	11	4	
14	Monday	7	8	4	0	8	52	6	41	11	34	☾	1	4	42	ev	10	11	45
15	Tuesday	7	8	4	0	8	52	6	41	11	34	☾	2	5	45	1	1	m'rn	
16	Wedn'y	7	9	4	0	8	51	6	42	11	35	☾	3	6	50	1	51	0	24
17	Thurs'y	7	10	4	1	8	51	6	42	11	35	☾	4	7	58	2	40	1	7
18	Friday	7	10	4	1	8	51	6	42	11	36	☾	5	9	7	3	28	1	50
19	Satur'y	7	11	4	1	8	50	6	43	11	36	☾	6	10	16	4	15	2	36
20	Sunday	7	12	4	2	8	50	6	43	11	37	☾	7	11	27	5	3	3	24
21	Monday	7	12	4	2	8	50	6	43	11	37	☾	☾	m'rn	5	52	4	15	
22	Tuesday	7	13	4	3	8	50	incr	11	38	☾	☾	9	0	39	6	43	5	10
23	Wedn'y	7	13	4	3	8	50	0	0	11	38	☾	10	1	54	7	38	6	8
24	Thurs'y	7	14	4	4	8	50	0	0	11	39	☾	11	3	10	8	36	7	6
25	Friday	7	14	4	4	8	50	0	0	11	39	☾	12	4	25	9	37	8	5
26	Satur'y	7	14	4	5	8	51	0	1	11	40	☾	13	5	36	10	41	9	3
27	Sunday	7	15	4	6	8	51	0	1	11	40	☾	☾	rises	11	42	9	59	
28	Monday	7	15	4	6	8	51	0	1	11	41	☾	15	4	59	m'rn	10	53	
29	Tuesday	7	15	4	7	8	52	0	2	11	41	☾	16	6	12	0	41	11	44
30	Wedn'y	7	15	4	8	8	53	0	3	11	42	☾	17	7	23	1	35	ev	35
31	Thurs'y	7	15	4	9	8	54	0	4	11	42	☾	18	8	32	2	25	1	26

December 1—Day breaks 5h. 12m.; Twilight ends 5h. 46m.

December 15—Day breaks 5h. 22m.; Twilight ends 5h. 47m.

DECEMBER, 12th mo.—Begins on Tuesday 1936



**D D Aspects, Holydays,
M W Weather, Etc.**

Farmers' Calendar

1	3	♀ gr. hel. lat. S.	
2	4	♂ sets 5h. 19m. eve.	
3	5	Aldebaron S. 11h. 24m. eve	
4	6	♂ sets 11h. 31m. eve.	
5	7	♂ on equator.	<i>Snow.</i>
6	D	1st Sabbath. ♂ ♀ ♀.	
7	2	Low tides 7.5 ft.	
8	3	♂ ♀ ♂. ♂ ♂ ♀.	
9	4	♂ in apogee.	
10	5	♂ ♀ ♂.	<i>Warmer.</i>
11	6	♂ ♀ ♀.	<i>Rain.</i>
12	7	Marconi radio signal 1901.	
13	D	2d Sabbath. ♀ runs low.	
14	2	♂ ♀ ♀ 4h. eve.	
15	3	♂ ♀ ♀. ♀ gr. hel. lat. S.	
16	4	Boston Tea Party 1773.	
17	5	♂ ♀ ♀. High tides 9.3 ft.	
18	6	Rigel S. 11h. 8m. eve.	
19	7	Pleiades set 5h. 25m. morn	
20	D	3d Sab. ♂ ♀ ♀. ♀ on eq.	
21	2	♂ near Spica. Long night.	
22	3	♂ near Nunki.	
23	4	♂ ♀ ♀. Low tide 8.3 ft.	
24	5	♀ sets 7h. 32m. eve.	
25	6	Christmas. ♀ in perigee.	
26	7	♀ runs high. ♂ ♀ ♀.	
27	D	4th Sab. Moon after Yule.	
28	2	High tide 10.8 ft.	
29	3	♂ gr. elong. E. 19.6°.	
30	4	♀ in Capricorn.	<i>Snow.</i>
31	5	♂ rises 1h. 13m. morn.	

philosophy of accepting calmly the ups and downs that must necessarily have entered into a life of ninety-one years, undoubtedly has been a factor favoring longevity.

COMPARATIVELY few people come to extreme old age with mental and physical powers relatively unimpaired but some do. Curiously enough, few such have ever been carefully studied to the end that the factors responsible for their longevity and for the retention of their mental and physical vigor might be determined. At a recent session of the National Academy of Sciences, Dr. Francis G. Benedict, Director of the Carnegie Institution's Nutrition Laboratory, reported upon the study of such a case. The subject of the investigation was a gentleman of ninety-one years who was given a series of carefully planned tests at the Nutrition Laboratory in Boston. Dr. Benedict reports that the subject's carriage is erect, without the stoop of age; that his movements are active, free, and quick; that in both speaking and singing his voice is strong; that there are no signs of atrophy of vocal cords or of the superficial membranes of the larynx; that his heart action and physical functions are normal; that he eats a rational diet, not at all one-sided or dominated by "food fads;" that he has always abstained from use of alcohol and tobacco; and that longevity predominates in his family history. One outstanding feature in the subject's personal history is the fact that he has never suffered any great sorrows. Moreover, although a man who has had to earn his living, he has never experienced any tremendous financial stress. He has a most optimistic outlook upon life, spreads cheer and happiness wherever he goes. His fifty-nine years of married life have been romantic. Perhaps his character can be no better described than by saying he is a man who does not worry. This cheerful, optimistic outlook on life, with the and downs that must necessarily have entered into a life of ninety-one years, undoubtedly has been a

WINTER EVENING AMUSEMENTS

RIDDLE NO. 1

I might be before and I might be
back,
I might be the clay of the potter's
knack.
I never am thin; I never am tall.
An elf or a sprite perhaps you may
call,
And even I'll add hobgoblin or puck
With the hope, much defining may
bring you good luck.
I am well liked or loved you will very
well see,
And also a term of endearment may
be.
To two or three animals I am applied
To which may be left unto you to
decide.
I once was a pet, once may be some
more,
But that in the days which may be
well termed of yore. *Milton.*

RIDDLE NO. 2

A sort of a carriage my *first* will be
found;
I am quite often used for enriching
the ground;
The weaver may find me of use in
his labor;
The mason employs me when helping
his neighbor;
In many a theater I am at hand;
The farmer may use me while tilling
his land;
A kind of a runner perhaps you may
see;
Or a sort of a file. Now what may
I be? *W. H. K.*

PARADOX

When I *first* start to go in a circle
I move,
My *last* is the first and I'll readily
prove
Should I start to run backward this
off'ring I'll name,
And my *whole* is the last as you will
acclaim. *Milton.*

CONUNDRUM NO. 1

What is the most entertaining let-
ter of the alphabet? *Milton.*

CONUNDRUM NO. 2

When is a young lady acting as a
treasury? *W. H. K.*

CHARADE NO. 1

My *one, two, three* is the wood of a
tree,
Two, three is a nightmare you'll surely
agree,
Two, four we may term as assured of
success,
One four a barrel or cask—for a guess,
Two, five is the name of a girl we'll
enroll,
And a mark of good fellowship find
as the *whole*. *Milton.*

CHARADE NO. 2

An ancient god my *one* will be.
Two will be found to denote the same.
Another god is revealed by *three*,
A mythical lady my *whole* will name.
W. H. K.

CHARADE NO. 3

One is a native of our land.
Two was worshipped quite offhand.
Two with *one* reversed you'll see
Cannot with truth be termed as
three.
Four, two, a law to end my ditty;
I'll merely say my *whole's* a city.
Nita Hale.

CHARADE NO. 4

My *first* is a verb,
My *second* is a pool,
And *three* reversed, a Latin preposi-
tion.
My *whole* is a girl's name.

Quercus.

ANAGRAM NO. 1

1. An animal you'll turn around,
2. To make creative I'll be bound.
3. Next change a small red worm
will call.
4. 'Mongst Scots, a lobby or a hall.
5. A Puritan in disrespect.
6. For fixed or stated, sixth detect.
7. Delicious and inspiring, too.
8. The middle parts are here for you.
9. For avarice and lying famed.
10. Repudiate, for *tenth* is named.
Milton.

ANAGRAM NO. 2

My *first* is a pseudonym, you all
should know.
My *second*, the initials of a society,
where many meet.
My *third*, a form of verb by Spenser
used, which now is obsolete.
Quercus.

ANAGRAM NO. 3

— now is past and gone,
But this one — will well atone
With anagrams to study:
My — are cats that keep the rats
From being —s in many country
flats,
Till spring skies grow more ruddy,
And ankle deep these roads with mud
That ne'er before were muddy.
Pit.

TRANSPOSITION NO. 1

LETS FORKS TROT LIKE
LATE GALES. (An old saying.)
Pit.

TRANSPOSITION NO. 2

JANE LET HER SAVE THE
TWO FAT SAND CRUSTS.
(Quotation from Shakespeare.)
Lina.

TRANSPOSITION NO. 3
 FAINT TALK WEAKENS
 HALE CLAIM. (A wise saying.)
Nita Hale.

NUMERICAL NO. 1
 12-6-26-15, a rascal.
 17-10-21-23, to strike heavily.
 29-24-11, a fish.
 1-18-8-20, spotted.
 2-14-19-27-30, gold or silver lace.
 4-13-16-25, marsh.
 9-7-3-22-5, corrodes.
 28, stood for 900 among the ancients.
 The whole was said by Ben Johnson.
Quercus.

NUMERICAL NO. 2
 36-13-24-2, to move restlessly.
 15-3-25-35-41, lofty.
 8-1-32-39-16, to splash water.
 10-29-14-20, a noted mountain.
 26-7-11-23-4-34, a small particle.
 12-28-33-5-38, a girl's nickname.
 6-22-30, suit.
 27-37-18, acid.
 19-17, hesitate.
 21-31-40-9, part of the leg.
 The whole is a saying of Franklin.
A. R. D.

WORD SQUARE NO. 1
 1. A Lithuanian lowlander.
 2. Remote in time past.
 3. Fictitious.
 4. Genus of useful tropical herbs.
 5. A Cymric sea god.
Milton.

WORD SQUARE NO. 2
 1. A giant of Norse mythology.
 2. Delay.
 3. Harsh.
 4. Corrupt.
W. H. K.

WORD SQUARE NO. 3
 1. An African animal.
 2. An assembly.
 3. An Asiatic animal.
 4. A scarf.
 5. Creakings.
Nita Hale.

WORD SQUARE NO. 4
 1. Goddess of war. (myth.)
 2. Short.
 3. Hindu deification.
 4. Actinal.
E. F. Roundy.

WORD SQUARE NO. 5
 1. A gum resin.
 2. Imbecile.
 3. A sea nymph.
 4. To choose.
 5. Leases.
N. L. W.

WORD SQUARE NO. 6
 1. Darkness.
 2. Unoccupied person.
 3. A halo.
 4. Seed plants.
 5. A meeting.
N. L. W.

REVERSIBLE WORD SQUARE
 1. To wound.
 2. A musical instrument.
 3. To border on.
 4. Flying mammals.
N. L. W.

CURTAILMENT
 Curtail a weapon used in Bonaparte's time and get a boat or canoe used in the Philippines, again and get a bench, again and have an ancient title, once more and have to kiss.
Nita Hale.

DROP LETTER WORDS
 1. -a-e-a-e-a. Hawaiian holiday.
 2. -a-i-i-e-ou-. Having thin plates.
E. F. Roundy.

QUESTION
 What word of eight letters has five vowels?
A. R. D.

CRYPTOGRAPH NO. 1
 F L A G
 R O P E
 I A T G
 (Find key-word.)
W. H. K.

CRYPTOGRAPH NO. 2

o	n	w	e	g
o	s	r	n	s
d	a	i	c	i
h	w	a	t	r
e	f	s	o	t

(A wise saying.)
E. F. Roundy.

CRYPTOGRAPH NO. 3

c	y	u	r	u	v
s	q	i	p	o	e
a	k	e	s	t	m
o	h	y	x	b	f
l	z	d	o	n	o
a	g	e	w	j	r

(A sentence of 36 letters using all the letters of the alphabet.)
E. F. Roundy.

REBUS NO. 1
 Just take a country I have found,
 The same bisect and turn around,
 Insert a stone to make complete,
 A town in Maine you then will greet,
 And now reverse with action hearty,
 Obtain a gulf and old time party.
Milton.

REBUS O. 2

a YY th Aa A 500 0 54 **E**

(A quotation from Thomas Middleton [1626].)

LONGEST WORD

Transubstantiationist.

N. L. W.

Answers to Last Year's Propoundings

RIDDLE

Straw, or Leaf. Answered by Quercus, A. R. D., N. L. W., Wife & I.

PARADOX

Bandeau, or Chapeau. Answered by Rena, Old Foggy, Lina, N. L. W., Quercus, E. C. C.

CONUNDRUM

One is a place of treasure, the other a trace of pleasure; also, one cashes the note, the other notes the cash; or, one may lost interest, the other never does. Answered by A. R. D., Hazwood, Wife & I, Quercus.

CHARADE NO. 1

Violet, or Emeline, or Joanel. Answered by N. L. W., Lina, Rena, Nita Hale, A. R. D., Milton, W. H. K., Wife & I, Old Foggy, Hazwood.

CHARADE NO. 2

Oslo, Chino, Saco, Lima, Liphi, Ribnitz, or Neckah. Answered by Milton, A. R. D., Lina, N. L. W., W. H. K., Rena, Hazwood, Wife & I.

CHARADE NO. 3

Gonystylus. Answered by Old Foggy, Nita Hale, Quercus, A. R. D., N. L. W., Hazwood, Wife & I.

CHARADE NO. 4

Colorado. Answered by Yinx, Hazwood, Rena, Lina, Old Foggy, A. R. D., Quercus, N. L. W., Nita Hale, W. H. K., Wife & I, Father & Son, E. C. C.

CHARADE NO. 5

Ishpingo. Answered by Milton.

CHARADE NO. 6

Carpentry. Answered by N. M. Roundy, Milton, Wife & I, A. R. D., Quercus, N. L. W., Nita Hale.

ANAGRAM NO. 1

Nadir, raind, dinar, Indra, Drina, drain, inard. Answered by W. H. K., Wife & I, Nita Hale, N. L. W., Quercus, A. R. D., Old Foggy, Hazwood, E. C. C.

ANAGRAM NO. 2

Carse, serac, acres, scare, cares, sacre, races, ceras, cesar. Answered by N. L. W., Quercus, A. R. D., Nita Hale, Old Foggy, Lina, Hazwood, Yinx, Milton, Wife & I, Father & Son, E. C. C.

ANAGRAM NO. 3

Time and tide wait for no man. Answered by Hazwood, Nita Hale, A. R. D., N. L. W., Old Foggy, Quercus, Milton, Wife & I.

ANAGRAM NO. 4

Birds of a feather flock together. Answered by Nita Hale, N. L. W., Hazwood, A. R. D., Old Foggy, Quercus, W. H. K., Milton, Wife & I, E. C. C.

ANAGRAM NO. 5

Where no wood is there the fire goes out. Answered by Old Foggy, N. L. W., A. R. D., Nita Hale, Hazwood, Quercus, W. H. K., Milton, Wife & I.

NUMERICAL

Joy and temperance and repose slam the door on the doctor's nose. Answered by Rena, N. L. W., Old Foggy, A. R. D., Hazwood, Quercus, W. H. K., Milton, Wife & I.

GEOGRAPHICAL NUMERAL

Yonkers, New York. Answered by Lina, Old Foggy, N. L. W., Hazwood, A. R. D., Quercus, Milton, Wife & I.

NUMERICAL ENIGMA

Evadne. Answered by N. L. W., Old Foggy, Rena, E. C. C., Lina, A. R. D., W. H. K., Milton, Wife & I, Nita Hale.

WORD SQUARE NO. 1

Tsuba, strap, urate, bater, apery. Answered by Quercus, Hazwood, N. L. W., Old Foggy, A. R. D., Nita Hale, Milton, Wife & I.

WORD SQUARE NO. 2

Dhak, Hopi, apar, kirn. Answered by A. R. D., Quercus, N. L. W., Milton, Wife & I.

WORD SQUARE NO. 3

Gamut, amuse, muser, users, terse. Answered by N. M. Roundy, Old Foggy, Lina, Hazwood, A. R. D., Quercus, N. L. W., W. H. K., Milton, Wife & I, E. C. C.

DIAMOND NO. 1

S, dag, burro, durmast, sarmatier, gratten, osier, ten, r. Answered by A. R. D., Hazwood, Quercus, N. M. R., N. L. W., Milton, Wife & I.

DIAMOND NO. 2

C, cam, ramie, cavalla, camarilla, militia, Ellis, Ala, a. Answered by N. L. W., Lina, A. R. D., Hazwood, Quercus, W. H. K., Milton, N. M. R., Nita Hale.

DOUBLE ACROSTIC NO. 1

HectiI, Ormol U, OratoR, VerbeT, EtablT, RecesS. Answered by N. M. R., N. L. W., A. R. D., Hazwood, Quercus, Nita Hale, Milton, Wife & I.

DOUBLE ACROSTIC NO. 2

AbysS, UnitE, GenoA, UpseT, StarT, TrailL, AlicE. Answered by Old Fogy, N. L. W., A. R. D., Quercus, Nita Hale, W. H. K., N. M. R., Milton, Wife & I, Hazwood.

DOUBLE ACROSTIC NO. 3

HoreB, Oscan, LoftY, Malta, ElleN, Short. Answered by Quercus, N. L. W., A. R. D., Old Fogy, Nita Hale, Milton.

REVERSAL NO. 1

Paresis. Answered by Lina, Yinx, H. W., E. C. C., Nita Hale, Quercus, A. R. D., N. L. W., W. H. K., Wife & I.

REVERSAL NO. 2

New Sharon. Answered by A. R. D., N. L. W., Lina, Quercus, Milton, Wife & I.

TRIPLE ACROSTIC

SCaD, TApE, EPiC, PRoA, HIInT, ECrU, NEaR. Answered by N. L. W., Quercus, A. R. D., Nita Hale, Milton, Wife & I.

REBUS NO. 1

Covert. Answered by Yinx, Lina, N. L. W., Hazwood, Nita Hale, Quercus, A. R. D., W. H. K., N. M. R., Wife & I.

REBUS NO. 2

Quercus. Answered by Quercus, W. H. K., Nita Hale, Hazwood.

REBUS NO. 3

Coincidence. Answered by N. L. W., A. R. D., Quercus, Nita Hale.

REBUS NO. 4

Abalone. Answered by N. M. R., Nita Hale, E. C. C., Quercus, A. R. D., N. L. W., Lina, Hazwood, Milton.

REBUS NO. 5

Dismally. Best answers were diary and Lindy.

QUESTION

Strength or schnapps. Answered by N. M. R., Quercus, A. R. D., Hazwood, W. H. K., Milton, E. C. C.

ALGEBRAIC REBUS NO. 1

E	I	K	L	N	O	P	R	T	W
4	0	9	5	8	3	2	6	1	7
W. H. K., Father & Son									
or 5	1	9	7	8	3	1	6	2	4
N. L. W., A. R. D.									
or 2	1	9	7	8	0	3	6	5	6
E. C. C.									
Values of I and O are interchangeable.									

ALGEBRAIC REBUS NO. 2

A	B	C	D	E	G	H	J	X
1	4	5	3	2	8	9	0	7
Answered by W. H. K., N. L. W., A. R. D., E. F. Roundy, E. C. C.								

Mathematical Questions for 1936

1. A farmer sold two horses for \$810.00, receiving $\frac{1}{2}$ as much for the first as for the second, and gaining $33\frac{1}{3}\%$ on the first and losing $11\frac{1}{2}\%$ on the second. How much did he gain?
C. L. Judkins.

2. Find the edge of a cube equivalent to a regular octahedron whose edge is 3 inches.
C. L. Judkins.

3. A stone was dropped into an empty well. It was observed that after being dropped it was 10 seconds before the sound reached the ear. What is the depth of the well?
C. L. Judkins.

4. Transform the equation $x^4 - 3x^3 - 7x^2 + 3x - 90 = 0$ into one whose roots shall be less by 2.
Loren O. Teel.

5. On a telephone dial there are 8 keys with 3 different letters on each key, and a 9th key with 2 different letters on it,—all the letters of the alphabet thus being used. A call signal consists of 3 different letters. In making a call one operates in succession 3 different keys, each of which has one of the letters of the signal. Each signal must consist of 3 different letters,—different arrangements of any 3 letters constituting different signals. However, any 3 keys can be operated in a given order for one and only one signal. How many call signals are possible?
Henry L. C. Leighton.

6. A conical stack of hay 24 feet in diameter and 20 feet slant height is to be divided between A, B, C and D in the given order beginning at the top. Each to have the same cubical amount; but as the hay is more firm near the bottom, B pays 5% more than A; C pays 5% more than B; and D pays 5% more than C. The price is \$15 per ton (400 cu. ft. for one ton). How much of the perpendicular height for each? How many tons in the stack? How much does each pay?
E. F. Roundy.

7. In a circular piece of land 40 rods in diameter, it is proposed to lay out four circular plots as large as possible. Find the area of each circular plot; each piece outside the small circular plots; and the center plot; also the whole piece.
E. F. Roundy.

Answers to Last Year's Mathematical Questions

1. Multiply (1) by 16, $400y^2 + 256x^2 = 25600$;
 multiply (2) by 25, $400y^2 + 225x^2 = -14400$;
 subtracting, $31x^2 = 40000$; $x = \pm 35.92$
 substitute this value of x in (2), $16y^2 + 9(1290.3226) = -576$;
 $y^2 = -761.8$; $y = \pm 27.6\sqrt{-1}$. R. P. S.

Answered also by Loren O. Teel, Wife & I, Henry L. C. Leighton, E. F. Roundy, Father & Son.

2. Divide the wedge into 3 sections; the central section being a right triangular prism with a pyramid on each end. $5.5 - 3.5 = 2.0$, combined length of base of pyramids. Vol. of pyramid = $\frac{1}{3}$ base $\times$ alt.; $\frac{1}{3} \times 2 \times \frac{3}{4} \times \frac{3}{4} = 1.25$ Vol. of prism = $\frac{1}{2} \times \frac{3}{2} \times \frac{3}{4} \times \frac{3}{4} = \frac{108}{128} = 3.28125$
 $1.25 + 3.28 = 4.53$ cu. ft. Wife & I.

Answered also by E. F. Roundy, Henry L. C. Leighton, Father & Son, Jacob F. Coombs.

Note—Volume of wedge = $\frac{1}{6} ab(c + 2d)$; $a = 2.5$; $b = .75$; $c = 3.5$; $d = 5.5$.—*Editor*.

3. Extend the axle to meet the surface on which the wheels roll. Diam. of large wheel, 8 ft. — diameter of small wheel, 5 ft. = 3. From similar triangles $3 : 6 :: 8 : x$. $x = 16$ ft., the entire length of the axle produced.
 $\sqrt{16^2 + 4^2} = 16.49$ radius of circle described by large wheel.
 $2\pi 16.49 =$ circumference described by large wheel.
 $2\pi 4 =$ circumference of large wheel. $2\pi 16.49 \div 2\pi 4 = 4.12$, no. of revolutions of the wheels. Loren O. Teel.

Answered also by Henry L. C. Leighton.

4. Let $x = y$ — the coefficient of the second term divided by the degree of the equation; $x = y - \frac{1}{3}$; substitute and simplify and the equation becomes $27y^3 - 279y + 308 = 0$. E. F. Roundy.

Answered also by C. L. Judkins, Wife & I, Henry L. C. Leighton.

245	238	243	182	175	180	227	220	225
240	242	244	177	179	181	222	224	226
241	246	239	178	183	176	223	228	221
200	193	198	218	211	216	236	229	234
195	197	199	213	215	217	231	233	235
196	201	194	214	219	212	232	237	230
209	202	207	254	247	252	191	184	189
204	206	208	249	251	253	186	188	190
205	210	203	250	255	248	187	192	185

Answered also by Wife & I, R. P. S.

Father & Son.

6. Let the board be x inches wide. The box will consist of 4 pieces each x in. by y in., and 2 pieces each x in. by $(x - 2)$ in. 8 and $\frac{1}{2}$ board feet = 1176 sq. in. $\therefore$ (1) $4xy + 2x(x - 2) + 0.8x = 1176$. The inside dimensions of the box are x in. by $(x - 2)$ in. by $(y - 2)$ in. $\therefore$ (2) $x(x - 2)(y - 2) = 2150.4$. Solve (1) for xy ; substitute in (2) and simplify to $x^3 + 0.4x^2 - 592.8x + 5476.8 = 0$. Factor $(x - 14)(x^2 + 14.4x - 391.2) = 0$. Whence $x = 14$. Other values of x not being usable. Substitute $x = 14$ in (2) and $y = 14.8$. Hence the parallelopipedon can be made from a board 14 in. wide and 84 in. long, having 4 pieces 14 in. by 14.8 in. and 2 pieces 14 in. by 12 in. Henry L. C. Leighton and Wife & I.

7. $412\frac{1}{2}$ gr. $\times .9 \div 480 = .7734$ oz. T. silver in \$1.00
 Value of silver in \$1.00 = $.7734 \times$ price of silver per T. oz.

Date	Silver \$		Date	Silver \$	
1919 avg.	.867	A. R. P.	1933 Dec.	.344	A. R. P.
1924 ".	.519	"	1934 Je	.349	"
1929 "	.412	"	1934 Aug. 20	.384	Wife & I
1930 "	.298	"	1934 Dec. 28	.420	C. L. Judkins
1931 "	.224	"	1935 Mar. 14	.500	E. F. Roundy
1932 Je	.215	"	1935 Apr. 11	.549	Wife & I
1932 Dec.	.196	"	1935 May 23	.588	Father & Son
1933 Je	.270	"	1935 Sept. 10	.600	"

In 1934 Almanac Problem 6 was not answered last year. This excellent solution was sent by C. L. Judkins. Draw thru M a line parallel to AB and cutting DN at S. Pass a circumference thru points M., D and S. Angle MSD is measured by $\frac{1}{2}$ arc MD. Angle MDB is measured by $\frac{1}{2}$ arc MD. $\therefore$ angle MSD = angle MDB. Angle MSD = angle SDA, being alt. int. angles. $\therefore$ angle MDB = angle SDA. Angle CDA = angle CDB, being right angles. $\therefore$ angle ODN = angle ODM.

Answered also by E. F. Roundy.

GENERAL LAWS—FISH AND GAME
(For Special Laws, see Fish and Game Law Book)

OPEN SEASONS—FISH

	Lakes and Ponds	Rivers	Brooks and Streams
Salmon	Ice out—Sep. 30	Ice out—Sep. 14	Ice out—Aug. 15
Trout	Ice out—Sep. 30	Ice out—Sep. 14	Ice out—Aug. 15
Togue	Ice out—Sep. 30	Ice out—Sep. 14	Ice out—Sep. 30
*Black Bass	*June 21—Sep. 30	*June 21—Sep. 30	*June 21—Sep. 30
White Perch	June 21—Sep. 29	June 21—Sep. 30	June 21—Aug. 15

*Except that not more than 3 Black Bass in any one day may be caught by fly fishing, so-called, from June 1 to June 20, inclusive.

BAG LIMIT: (a) Brooks and Streams: Not more than 25 fish in all, nor more than 7½ pounds of fish in all, unless the last fish caught increases the combined weight thereof to more than 7½ pounds. (b) Lakes, Ponds and Rivers: Not more than 25 fish in all, nor more than 10 pounds of fish in all, unless the last fish caught increases the combined weight thereof to more than 10 pounds.

OPEN SEASONS—DEER

AROOSTOOK, PENOBSCOT, SOMERSET, PISCATA- QUIS, FRANKLIN, OXFORD	Oct. 16-Nov. 30
ANDROSCOGGIN, CUMBERLAND, KENNEBEC, KNOX, LINCOLN, SAGADAHOC, WALDO	Nov. 1-Nov. 30
YORK	Nov. 11-Nov. 30
HANCOCK, WASHINGTON	Nov. 1-Dec. 15

SEASON LIMIT ON DEER, 1 of either sex.

OPEN SEASON—BEAR—October 1 to November 30th, in all counties

OPEN SEASONS—BAG LIMITS—GAME BIRDS

	Open Season
*Waterfowl (except Snow Geese, Ross's Goose, Wood Duck, Ruddy Duck, Bufflehead Duck and Swans)	Oct. 21-Nov. 19
*Wilson's Snipe or Jacksnipe	Oct. 21-Nov. 19
†Rails	Sept. 1-Nov. 30
†Woodcock	Oct. 1-Oct. 31
†Partridge	Oct. 1-Nov. 15

*7.00 A.M.—4.00 P.M. †7.00 A.M.—Sunset.

†One-half hour before sunrise to sunset.

Use of live decoys prohibited.

Pump and automatic shotguns used in hunting Migratory Game Birds must be plugged with a metal or wooden plug so that they cannot be loaded with more than 3 shells. Guns larger than 10 ga. prohibited.

Federal Duck Stamps are required for hunting Waterfowl.

BAG LIMITS

	Daily	Possession at One Time
Ducks	10	10
Geese and Brant	4	4
Woodcock	4	4
Rails	15	15
Wilson's Snipe or Jacksnipe	15	15
Partridge	4	4

FUR BEARING ANIMALS—OPEN SEASONS

*Fox, Raccoon, Skunk, Otter, Mink, Weasel, Fisher, Sable	Androscoggin, Aroostook, Cum- berland, Hancock, Kennebec, Piscataquis, Somerset, Wash- ington, York	Nov. 1-Feb. 15
	Oxford, Waldo, Penobscot	Oct. 16-Feb. 1
	Franklin	Oct. 16-Feb. 15
	Knox, Lincoln, Sagadahoc	Nov. 1-Dec. 15

*Foxes may be hunted with dog and gun in Lincoln,

Sagadahoc

	Franklin, Hancock, Penobscot, Piscataquis, {	Nov. 1-Nov. 30
	Somerset, Oxford, Washington	Apr. 1-Apr. 30
Muskrat	Aroostook	Nov. 1-Nov. 30
		Apr. 15-May 15

Androscoggin, Cumberland, Kennebec,
Lincoln, Sagadahoc, Waldo, York, Knox Mar. . 20-Apr. 20

RABBITS—Open Season—Oct. 1-Feb. 29. Franklin and Somerset counties open season, Oct. 1-Mar. 31. Daily limit, 4.

The law requires all persons to have the proper hunting, fishing, or trapping license on their person.

Postage Rates

First Class—Letters or other matter wholly or partly in writing whether sealed or unsealed, also sealed matter unless specially exempt, 3c an ounce or fraction thereof, when addressed for other than local delivery.

On "drop letters" and other first-class matter, 2 cents an ounce or fraction thereof when mailed for local delivery at post offices having city or village letter-carrier service, or at any post office for local delivery to patrons thereof on a rural or star route therefrom, or by patrons on a rural or star route for local delivery at the post office or on another rural or star route therefrom; and 1 cent for each ounce or fraction thereof when mailed at offices where letter-carrier service is not established, provided the addressees are not served by rural or star route carriers.

Rate of postage on mail for dispatch by air: 6 cents an ounce or fraction thereof, regardless of distance.

U. S. Postal cards, 1c each, or the postage value represented by the stamp impression thereon.

Private mailing cards, not larger than 3 9-16 by 5 9-16, or smaller than 2 3-4 by 4 in., printed or written, 1c each.

Second Class—Newspapers and Periodicals mailed by other than publisher or newsdealer, 1c each two oz. or fraction thereof, or the fourth-class zone rate, whichever is lower.

Publishers' Rate:

Portion devoted to reading matter..... 1 1-2c per pound

Portion devoted to advertising:

Zones 1 and 2, 2c per lb.; zone 3, 3c. per lb.; zone 4, 5c per lb.;

Zone 5, 6c per lb.; zone 6, 7c per lb.; zone 7, 9c per lb.; zone 8, 10 c lb.

Third Class—Printed matter and merchandise up to and including 8 oz., 1 1-2c each two oz. or fraction, except books and catalogues of 24 pages or more with covers, seeds, bulbs, cuttings, roots, scions and plants, 1c each two oz. or fraction. All the above over 8 oz. in weight, Parcel Post rate.

Parcel Post—All printed matter, merchandise, books, etc., over 8 oz. in weight, present parcel zone rate. For rates, size of packages, and other information apply at Post Office.

Special Handling—Insures first class mail handling in transit without special delivery at the office of destination.

Fees—Parcels weighing not more than 2 pounds..... 10 cents

" over 2 pounds but not exceeding 10 lbs.... 15 "

" over 10 pounds..... 20 "

in addition to the regular postage.

Special Delivery Fee

First Class—Mail not over 2 lbs..... 10c

Over 2 lbs. and not exceeding 10 lbs..... 20c

Over 10 lbs..... 25c

Other than First Class—Not over 2 lbs..... 15c

Over 2 lbs. but Not over 10 lbs..... 25c

Over 10 lbs..... 35c

Special delivery charge insures prompt handling (same as first-class mail) in transit, and immediate delivery at office of addressee.

Fees for Domestic Money Orders

From \$0.01 to \$2.50... 6 cents

" 2.51 to 5.00... 8 "

" 5.01 to 10.00... 11 "

" 10.01 to 20.00... 13 "

From \$20.01 to \$40.00... 15 cents

" 40.01 to 60.00... 18 "

" 60.01 to 80.00... 20 "

" 80.01 to 100.00... 22 "

Registered Mail—Fee—\$5.00 indemnity 15 cents (Minimum)
\$1000 " \$1.00 (Maximum)

Return Receipts—Fee (Domestic), 3 cts.; (Foreign), 5 cts.

Insured

Not exceeding \$ 5.00 indem. 5c.

Not exceeding 25.00 " 10c.

Not exceeding 50.00 " 15c.

Not exceeding 100.00 " 25c.

Not exceeding 150.00 indem. 30c.

Not exceeding 200.00 " 35c.

Return Receipts—Fee 3c.

C. O. D.

Not exceeding \$ 5.00 collect. 12c.

Not exceeding 25.00 " 17c.

Not exceeding 50.00 " 22c.

Not exceeding 100.00 collect. 32c.

Not exceeding 150.00 " 40c.

Not exceeding 200.00 " 45c.

Undeliverable Mail Matter—Postmasters are not required to return undeliverable third-class mail unless of "obvious value." They are required, however, to send a notice of all undeliverable third-class mail.

To be assured of the return of all your undeliverable third-class matter, print in bold-face type, "Return postage guaranteed," with your name and address.

Judges, Clerks and Recorders of Municipal and Police Courts

<i>Town or District</i>	<i>Judge</i>	<i>Recorder</i>
Auburn	James A. Pulsifer	Chas. F. Adams, <i>Clerk</i>
Augusta	Frank E. Southard	Llewellyn S. Dunnack
Bangor	Clinton C. Stevens	Edward Stern, <i>Clerk</i>
Bar Harbor	Herbert L. Graham	George E. Googins
Bath	John J. Keegan	Owen J. Ledyard
Belfast	Carleton Doak	Hillard H. Buzzell
Biddeford	Louis B. Lausier	Daniel E. Crowley
Brunswick	Joseph H. Rousseau	Wilfred A. Duquette
Calais	Fred V. Pickard	Fred W. Hollingdale
Caribou	Donald C. O'Regan	Frank E. Pendleton
Dexter	Arthur W. Stone	
Eastport	Oscar L. Whalen	George W. Norton
Ellsworth	Charles J. Hurley	Timothy F. Mahoney
Farmington	Reginald D. Seavey	
Fort Fairfield	M. P. Roberts	Kingdom Harvey
Gardiner	Will C. Atkins	Paul F. Fitzpatrick
Hallowell	John K. Turner	
Houlton	Robert M. Lawlis	
Lewiston	Edward R. Parent	Harris M. Isaacson
Lincoln	Harold R. Smith, Waldoboro	Cyrus R. Tupper,
Livermore Falls	Edmund C. Dorey	[Boothbay Harbor]
Millinocket	Frederick E. Doyle	Raymond H. Rush
Newport	W. F. Jude	
Northern Aroostook	J. A. Laliberte, Eagle Lake	A. Albert, Madawaska
Northern Cumberland	Edgar E. Corliss, Bridgton	Henry A. Shorey, Jr.,
Norway	Harry M. Shaw	[Bridgton]
Old Town	Percy E. Higgins	Frank L. Averill
Piscataquis	Judson C. Gerrish, Milo	Stacy C. Lanpher,
Pittsfield	Thomas A. Anderson	[Sebec]
Portland	Herbert J. Welch	Harry C. Libby
Presque Isle	Ralph K. Wood	Ensign Otis
Rockland	Zelma Dwinal	
Rumford Falls	Matthew McCarthy	
Saco	Willis T. Emmons	Joseph E. Harvey
Sanford	Lucius B. Swett	Lester H. Willard
South Portland	Stephen W. Hughes	
Waterville	Charles W. Atchley	Cyril M. Joly
Westbrook	Frank P. Pride	Wade L. Bridgham
Western Hancock	Wiley C. Conary, Bucksport	P. W. Scott, Deer Isle
Western Somerset	Maurice P. Merrill, Skowhegan	[Machias]
Western Washington	Hubert E. Saunders, Lubec	C. M. Hutchinson,
Winthrop	Herbert E. Foster	Edwin T. Clifford
Yorkshire	F. Roger Miller, So. Berwick	Hollis B. Cole

Veterans Administration Facility, Togus, Maine—Established by Act of Congress September 27, 1866. First veteran admitted October 6, 1866. *Manager*, Malcolm L. Stoddard; *Assistant Manager and Domiciliary Officer*, William T. Hanley; *Finance Officer*, Leroy Kittredge; *Supply Officer*, Niles L. Perkins; *Utility Officer*, Ernest F. Martinson; *Commissary Officer*, Daniel F. Ivory; *Chief Medical Officer*, John E. Kelly; *Assistant Medical Officers*, Dr. Joseph E. Wheeler, Dr. James K. Nealon, Dr. Hanson T. Perkins, Dr. Harry Levine, Dr. Edward E. Helwig, Dr. Percy R. Butterfield, Dr. Joseph Weisberger, Dr. Leo T. Kewar, Dr. Adelbert Williams, Dr. James Pennington, Dr. Edward G. Ahrens, Dr. Sherwood Dix; *Adjudicator*, Charles E. McCann; *Contact Representative*, Charles Sullivan; *Chief Attorney*, Charles Fitzgerald; *Chaplains*, Rev. Peter H. Hershey, Protestant; Rev. Thomas J. McLaughlin, Catholic.

State Military and Naval Children's Home—*Superintendent*, Mrs. Louise R. Staples; *Assistant Superintendent*, Mrs. Lissa H. Dearborn.

State Normal Schools—*Trustees*, Carleton P. Merrill, *Chairman*, Skowhegan; Clarence A. Small, Machiasport; Lavinia Elliot, Thomaston; A. M. Small, Freedom; *Secretary*, Bertram E. Packard, State Commissioner of Education, Augusta, (ex-officio).

Principals—*Farmington*—W. G. Mallett, A. B., *Farmington*; *Castine*—William D. Hall, *Castine*; *Gorham*—W. E. Russell, *Gorham*; *Aroostook*—S. L. Merriman, *Presque Isle*; *Washington*—Philip H. Kimball, *Machias*; *Madawaska Training School*—Richard F. Crocker, *Fort Kent*.

Members Commission on the Revision of the Inheritance and Estate Tax Law—Harold H. Murchie, Calais; Harry B. Ayer, Biddeford; Franz U. Burkett, Portland; Roland E. Clark, Portland; Nathaniel Tompkins, Houlton.

Presidents of the United States from the Adoption of Constitution

1	George Washington	Virginia, from	Apr. 30, 1789 to	Mar. 3, 1797
2	John Adams	Massachusetts	Mar. 4, 1797	Mar. 3, 1801
3	Thomas Jefferson	Virginia	Mar. 4, 1801	Mar. 3, 1809
4	James Madison	Virginia	Mar. 4, 1809	Mar. 3, 1817
5	James Monroe	Virginia	Mar. 4, 1817	Mar. 3, 1825
6	John Quincy Adams	Massachusetts	Mar. 4, 1825	Mar. 3, 1829
7	Andrew Jackson	Tennessee	Mar. 4, 1829	Mar. 3, 1837
8	Martin Van Buren	New York	Mar. 4, 1837	Mar. 3, 1841
9	Wm. Henry Harrison	Ohio	Mar. 4, 1841	Apr. 4, 1841
10	John Tyler	Virginia	Apr. 4, 1841	Mar. 3, 1845
11	James Knox Polk	Tennessee	Mar. 4, 1845	Mar. 3, 1849
12	Zachary Taylor	Louisiana	Mar. 4, 1849	July 9, 1850
13	Millard Fillmore	New York	July 9, 1850	Mar. 3, 1853
14	Franklin Pierce	New Hampshire	Mar. 4, 1853	Mar. 3, 1857
15	James Buchanan	Pennsylvania	Mar. 4, 1857	Mar. 3, 1861
16	Abraham Lincoln	Illinois	Mar. 4, 1861	Apr. 14, 1865
17	Andrew Johnson	Tennessee	Apr. 15, 1865	Mar. 3, 1869
18	Ulysses S. Grant	Illinois	Mar. 4, 1869	Mar. 3, 1877
19	Rutherford B. Hayes	Ohio	Mar. 4, 1877	Mar. 3, 1881
20	James A. Garfield	Ohio	Mar. 4, 1881	Sept. 19, 1881
21	Chester A. Arthur	New York	Sept. 20, 1881	Mar. 3, 1885
22	Grover Cleveland	New York	Mar. 4, 1885	Mar. 3, 1889
23	Benjamin Harrison	Indiana	Mar. 4, 1889	Mar. 4, 1893
24	Grover Cleveland	New York	Mar. 4, 1893	Mar. 4, 1897
25	William McKinley	Ohio	Mar. 4, 1897	Sept. 14, 1901
26	Theodore Roosevelt	New York	Sept. 14, 1901	Mar. 4, 1909
27	William H. Taft	Ohio	Mar. 4, 1909	Mar. 4, 1913
28	Woodrow Wilson	New Jersey	Mar. 4, 1913	Mar. 4, 1921
29	Warren G. Harding	Ohio	Mar. 4, 1921	Aug. 2, 1923
30	Calvin Coolidge	Massachusetts	Aug. 2, 1923	Mar. 4, 1929
31	Herbert Hoover	California	Mar. 4, 1929	Mar. 3, 1933
32	Franklin D. Roosevelt	New York	Mar. 4, 1933	

Executive Department of the Government of the United States

FRANKLIN D. ROOSEVELT	of New York	<i>President</i>	\$75,000
John Nance Garner	of Texas	<i>Vice-President</i>	15,000
Cordell Hull	of Tennessee	<i>Sec'y of State</i>	15,000
Henry Morgenthau, Jr.	of New York	<i>Sec'y of Treasury</i>	15,000
George Henry Dern	of Utah	<i>Sec'y of War</i>	15,000
Homer Lister Cummings	of Connecticut	<i>Att'y General</i>	15,000
James A. Farley	of New York	<i>Postmaster General</i>	15,000
Claude Augustus Swanson	of Virginia	<i>Sec'y of the Navy</i>	15,000
Harold L. Ickes	of Illinois	<i>Sec'y of the Interior</i>	15,000
Henry Agard Wallace	of Iowa	<i>Sec'y of Agriculture</i>	15,000
Daniel Calhoun Roper	of So. Carolina	<i>Sec'y of Commerce</i>	15,000
Frances Perkins	of New York	<i>Sec'y of Labor</i>	15,000

Judiciary or Supreme Court of the United States

Charles Evans Hughes	New York	<i>Chief Justice</i> , Salary,	\$20,500
Willis Van Devanter	Wyoming	<i>Associate Justice</i>	20,000
James Clark McReynolds	Tennessee	<i>Associate Justice</i>	20,000
Louis Dembitz Brandeis	Massachusetts	<i>Associate Justice</i>	20,000
George Sutherland	Utah	<i>Associate Justice</i>	20,000
Pierce Butler	Minnesota	<i>Associate Justice</i>	20,000
Harlan Fiske Stone	New York	<i>Associate Justice</i>	20,000
Owen J. Roberts	Pennsylvania	<i>Associate Justice</i>	20,000
Benjamin N. Cardozo	New York	<i>Associate Justice</i>	20,000

District of Maine—Internal Revenue, Augusta

Collector, Clinton A. Clauson; *Assistant to Collector*, Melvin H. Simmons; *Chief Income Tax Division*, Charles W. Cyr; *Chief Miscellaneous Tax Division*, Harris S. Day; *Chief Processing Tax Division*, Edward A. Mansfield, 3rd; *Chief Estate Tax Section*, Rose E. Brown; *Chief of Field Division*, Louis A. Donahue; *Cashier*, Roscoe N. Given; *Bookkeeper*, Mearl F. Varney; *Disbursing Clerk*, E. Louise Springfield; *Secretary to Collector*, M. Evelyn Rhoades.

Senators and Representatives in United States Congress from Maine

Frederick Hale, Portland, Senator, term expires 1941.

Wallace H. White, Jr., Lewiston, Senator, term expires 1937.

1st District, Simon M. Hamlin 2nd District, Edward Carleton Moran, Jr.

3rd District, Ralph O. Brewster

Salaries of President of Senate and Speaker of House, \$15,000. Salary of Senators and Representatives, \$10,000.

Masonic

Annual meetings commence first Tuesday in May at Portland.

Officers of the Grand Lodge—*Grand Master*, Clark D. Chapman, Portland; *Deputy Grand Master*, Henry A. Gillis, Portland; *Senior Grand Warden*, Manson D. Brown, Patten; *Junior Grand Warden*, Harry S. Grindall, Waterville; *Grand Treasurer*, Herbert N. Maxfield, Portland; *Grand Secretary*, Convers E. Leach, Portland. Subordinate Lodges, 207; members, 39,001.

Grand Chapter—*Grand High Priest*, John C. Arnold, Augusta; *Deputy Grand High Priest*, Frank W. Fuller, Pittsfield; *Grand King*, David F. Drew, Portland; *Grand Scribe*, James E. Stevens, Rockland; *Grand Treasurer*, Arthur J. Floyd, Portland; *Grand Secretary*, Convers E. Leach, Portland. Subordinate Chapters, 68; members, 13,595.

Grand Commandery—*Grand Commander*, Edward W. Cram, Portland; *Deputy Grand Commander*, Walter P. Dow, Bridgton; *Grand Generalissimo*, Frank E. Fleming, Sanford; *Grand Captain General*, Frank E. Southard, Augusta; *Grand Treasurer*, Arthur J. Floyd, Portland; *Grand Recorder*, Convers E. Leach, Portland.

Subordinate Commanderies, 24; members, 6,846.

Grand Council—*Grand Master*, John L. Sise, Lewiston; *Deputy Grand Master*, Benj. C. Kent, Bangor; *Grand P. C. of Work*, Allen L. Curtis, Belfast; *Grand Treasurer*, Edwin F. Hillman, Portland; *Grand Recorder*, Convers E. Leach, Portland.

Subordinate Councils, 17; members, 7,416.

Order of High Priesthood—*President*, Thomas H. Bodge, Augusta; *Recorder*, Convers E. Leach, Portland. Membership, 6,394.

Order of the Red Cross of Constantine—*M. P. S. Sov.*, Warren C. King; *M. I. G. Rec.*, Edwin F. Hillman.

Conclaves in Portland, Lewiston, Bangor, Gardiner.

Council of Deliberation, A. A. S. Rite—*Commander-in-Chief*, Frank C. Allen, Portland; *Grand Secretary*, Convers E. Leach, Portland.

Sons of Union Veterans of the Civil War

Department Officers—*Dept. Commander*, I. Leslie Cross, Rockland; *Senior Vice Dept. Commander*, Almon I. Spinney, Wilton; *Junior Vice Dept. Commander*, Charles C. Webster, Springvale; *Dept. Sec.-Treas.*, Edward K. Gould, Rockland; *Dept. Council*, Russell M. Hosmer, Brunswick; W. H. Pollard, Waterville; Leonard C. Holston, Cumberland Mills.

Department Staff—*Patriotic Instructor*, J. N. Tarbell, Pittsfield; *Chaplain*, Herman R. Winchenbaugh, Rockland; *Counselor*, Chas. L. Buck, So. Paris; *Organizers*, Frank E. Small, Cooper's Mills; Joseph N. Day, Brunswick; *Inspector*, Henry Towle, Portland; *Press Correspondent*, Harold L. Fairbrother, Camden; *Asst. Sec.*, Willis R. Lufkin, Rockland; *Personal Aide*, J. Manley Patterson, Hallowell.

Sons of Union Veterans' Auxiliary—*President*, Lillian Farnham, Waterville; *Secretary*, Mrs. Auwelda Estes, Waterville; *Treasurer*, Katherine Voter, Farmington.

The American Legion, Department of Maine

Department Officers—*Commander*, Frank E. Southard, Augusta; *Vice Commanders*, Joseph Arzonico, Yarmouth; John J. Flynn, So. Paris; Horace McClure, Bath; Alton L. Johnson, Belfast; N. F. Alexander, Milo; Joseph L. West, Houlton; Foster G. Hibbard, Woodland; *Adjutant*, James L. Boyle, Waterville; *Finance Officer*, Raymond S. McCubrey, Portland; *Nat'l Committeeman*, Basil H. Stinson, Rockland; *Nat'l Committeeman. Alt.*, Raymond E. Randall, Alfred; *Sergeant-at-Arms*, William Goulette, Skowhegan; *Chaplain*, (to be appointed); *Executive Committeemen*—Androscoggin, Norman Worthing, Auburn; Aroostook, Lewis H. Kriger, Fort Fairfield; Cumberland, George Woods, So. Portland; Franklin, Harold A. Carman, Farmington; Hancock, Clarence E. Leonard, Bar Harbor; Kennebec, Herbert A. Marston, Gardiner; Knox, Alvah L. Anderson, Camden; Lincoln, Walter G. Serle, Wiscasset; Oxford, G. Douglas Clark, Rumford; Penobscot, Loren B. Johnston, Milford; Piscataquis, Walter G. Blake, Guilford; Sagadahoc, Reinhold J. Steussy, Bath; Somerset, Vincent Goforth, Hartland; Waldo, James E. Braley, Belfast; Washington, Raye H. Spear, Eastport; York, Ralph N. Sawyer, Saco.

The American Legion Auxiliary, Department of Maine

Number of units, 104; membership, 4,008.

State Officers—*President*, Mrs. Alta M. Cutler, Old Town; *Vice Presidents*, Miss Lillian Wallace, Portland; Mrs. Rosa Bisson, Farmington; Mrs. Mary K. Hodgkins, Damariscotta; Mrs. Queenie Bickford, Augusta; Mrs. Sarah Parker, Brewer; Mrs. Gladys Constantine, Calais; Mrs. Mamie M. Conlogue, Houlton; *Secretary*, Mrs. Anna E. Lovely, Old Town; *Treasurer*, Mrs. Frances B. Hayes, Portland; *Historian*, Mrs. Olive M. Tinkham, Lewiston; *Junior Past Dept. President*, Mrs. Grace Sthen, Portland; *Nat'l Committeewoman*, Mrs. Emily A. Dexter, Lewiston.

Independent Order of Odd Fellows

This organization consists of 153 subordinate Lodges with a membership of 20,459; 62 Encampments with a membership of 5,872; 146 Rebekah Lodges with a membership of 22,877; and 24 Cantons with membership of 1246. **Patriarchs Militant**—For Canton statistics see Leon Robbins, Kittery.

Officers of the Grand Lodge—*Grand Master*, Albert E. Libby, South Portland; *Deputy Grand Master*, George D. Daley, Old Town; *Grand Warden*, Frederick J. Smith, Portland; *Grand Secretary*, Leroy E. Leonard, Portland; *Grand Treasurer*, Archie R. Lovett, Bangor; *Grand Representatives*, Ellery Bowden, Winterport; Elton H. Fales, Lewiston.

Annual session at Portland, the third Wednesday in October, 1935.

Officers of the Grand Encampment—*Grand Patriarch*, Samuel W. Dixon, Berwick; *Grand High Priest*, Luke S. Davis, Rockland; *Grand Senior Warden*, John W. Thornton, Lewiston; *Grand Junior Warden*, Myrick A. Gerry, Portland; *Grand Scribe*, Harry T. Stimson, Portland; *Grand Treasurer*, Fred A. Millett, Auburn.

Annual session at Portland, Tuesday, October 15, 1935.

Officers of Rebekah Assembly—*President*, Laura R. Hardy, North Berwick; *Vice President*, Mary M. Hurley, Skowhegan; *Secretary*, Grace W. Knowlton, Belfast; *Treasurer*, Mae L. Cash, So. Portland; *Representative to Association of Rebekah Assemblies*, Effie S. Merrill, Dover-Foxcroft.

Annual session at Portland on the Monday prior to the third Wednesday in October, 1935.

Officers of the Patriarchs Militant—*President*, Brig. Gen. Carl A. Jordan, Portland; *Vice President*, Col. Lendon C. Jackson, Jr., Rockland; *Clerk*, Major Leon E. Robbins, Kittery; *Treasurer*, Major Myrick A. Gerry, Portland; The Annual Meeting, first Friday in June of each year.

Officers of Ladies' Auxiliaries—*President*, Nellie E. Spencer, Lewiston; *Vice President*, Lugardie K. George, Augusta; *Secretary*, Gwendolyn S. Jordan, Portland; *Treasurer*, Minnie C. Nichols, Augusta.

The Annual Meeting, first Friday in June.

Military Order of the Loyal Legion of the United States

Commandery of the State of Maine Headquarters, Portland.

Officers of the Commandery—1935-1936—*Commander*, Edward D. Noyes, Portland; *Senior Vice Commander*, Edward A. Shaw, Portland; *Junior Vice Commander*, William H. Dow, Portland; *Recorder and Treasurer*, John F. Dana, Portland; *Registrar*, Sidney St. F. Thaxter, Portland; *Chancellor*, Willis P. Stoneham, Portland.

Meetings first Wednesday in March, May, Sept. and Dec. at Portland.

Annual meeting first Wednesday in May at Portland.

Maine Society of the Sons of the American Revolution

Officers—*President*, Harold H. Bourne, Kennebunk; *Vice Presidents*, Charles B. Sylvester, Portland; Grube B. Cornish, So. Portland; Russell M. Hosmer, Brunswick; *Secretary-Treasurer*, Willis B. Hall, Portland; *Registrar*, Clarence E. Eaton, Portland; *Historian*, Edward K. Gould, Rockland; *Librarian*, Joseph S. Bucknam, Portland; *Chaplain*, Rev. Israel Jordan, Portland; *Flag Bearer*, Warren C. King, Portland; *Board of Managers*, Officers, Past Presidents and Will O. Hersey, Leslie E. Norwood, Ralph F. Goodhue, Homer E. Robinson, Elmer E. Parmenter.

Maine State Pomological Society

Officers—*President*, H. W. Peck, Winthrop; *Secretary*, E. L. White, Bowdoinham; *Treasurer*, T. E. Chase, Buckfield.

Annual exhibition at Lewiston, November 19, 20, 21, 1935.

Maine State Bar Association

Officers—*President*, Dana S. Williams, Lewiston; *Vice Presidents*, Carroll N. Perkins, Waterville; Harold H. Murchie, Calais; Louis C. Stearns, Bangor; *Secretary and Treasurer*, Ralph W. Leighton, Augusta; *Executive Committee*, Dana S. Williams, ex officio, Lewiston; Walter L. Gray, South Paris; Charles E. Gurney, Portland; James B. Perkins, Boothbay Harbor; Currier C. Holman, Farmington.

Meets at Augusta second Wednesday in January of Legislative year.

Patrons of Husbandry

Maine State Grange—This organization consists of 436 subordinate Granges and approximately 50,000 members. **Officers of the State Grange**—*Master*, Harry B. Crawford, Houlton; *Overseer*, F. Ardine Richardson, Strong; *Lecturer*, Allison P. Howes, Pittsfield; *Steward*, I. W. Case, Lubec; *Assistant Steward*, E. Carroll Bean, Kenduskeag; *Chaplain*, Rev. Royal Brown, Bangor; *Treasurer*, E. E. Additon, Auburn; *Secretary*, Mrs. Nellie L. Hascall, Auburn; *Gate Keeper*, W. L. Hammond, Bangor; *Ceres*, Mrs. Fausta M. Howes, Pittsfield; *Pomona*, Mrs. Christine Richardson, Strong; *Flora*, Mrs. Celia Guptill, Berwick; *Lady Assistant Steward*, Mrs. Grace Bean, Kenduskeag; *Executive Committee*, H. B. Crawford, ex-officio, Houlton; Mrs. Nellie L. Hascall, ex-officio, Auburn; Frank A. Potter, Bangor; Harvey F. McGlaulin, Presque Isle; W. B. Deering, Hollis Center; Merle J. Harriman, Readfield.

The 62nd annual session will be held December 3, 4, 5, 1935, at Portland.

International Order of Good Templars

This organization in Maine contains about 15 lodges with a membership of about 500.

Principal Officers of Grand Lodge—*G. C. Templar*, Mr. E. B. Wormwood, Biddeford; *G. Secretary*, Chas. A. Maxwell, Portland; *G. Electoral Supt.*, Lester Orcutt, Biddeford Pool; *G. Supt. Juvenile Work*, Mrs. Sarah O. Staples, Biddeford.

1936 annual session April 11, Biddeford Pool.

Knights of Pythias

Membership December 31, 1934, 11,933. Number of Lodges, 135.

Officers of the Grand Lodge—*Grand Chancellor*, B. F. Wentworth, Scarborough; *Grand Vice Chancellor*, Otto R. Irvine, Mars Hill; *Grand Prelate*, Charles E. H. Beane, Hallowell; *Grand Keeper of Records and Seal*, Harold S. Elder, Portland; *Grand Master of Exchequer*, Seth E. Rowe, Intervale; *Grand Master of Arms*, Harry V. Brooks, West Minot; *Grand Inner Guard*, Harry L. Porter, Yarmouth; *Grand Outer Guard*, W. C. Doane, Candage, Seal Harbor. 64th Annual Convention of Grand Lodge of Maine to be held on the third Wednesday in May, 1936, in Pythian Temple, Portland at 10 A. M. LXXIII.

Independent Order of Foresters

High Court of Maine and New Hampshire consolidated August, 1928. Subordinate Courts, 122. Companion Courts, 8. Membership, 3,000.

Officers—*H. C. Ranger*, L. H. Carpenter, Manchester, N. H.; *P. H. C. Ranger*, Herbert E. Foster, Winthrop; *H. V. C. Ranger*, Harry A. Skillin, Bangor; *H. Secretary*, Chas. F. Mann, Lisbon Falls; *H. Treasurer*, Ernest Daigle, Manchester, N. H.; *H. Counsellor*, W. S. Lewin, Houlton; *H. Physician*, M. C. Madden, Old Town.

Grand Army of the Republic, Department of Maine

This department contains 33 Posts; 129 members.

Department Roster—*Dept. Commander*, Joseph W. Lake, Post 9, Kennebunkport; *Senior Vice Dept. Commander*, Charles F. Tibbetts, Post 13, Augusta; *Junior Vice Dept. Commander*, Oliver N. Leavitt, Post 111, Portland; *Dept. Chaplain*, Samuel F. Emerson, Post 96, Skowhegan. **Official Staff**—*A. A. G. & A. Q. M. G.*, Charles E. Nason, Post 78, Gray; *Judge Advocate*, George T. Benson, Post 97, Oakland; *Patriotic Instructor*, Samuel F. Emerson, Post 96, Skowhegan; *Chief-of-Staff*, Simon C. Hastings, Post 113, Sidney. **Council of Administration**—Fernando S. Philbrick, Post 16, Rockland; Simon C. Hastings, Post 113, Sidney; John W. Fogler, Post 96, Skowhegan; George T. Benson, Post 97, Oakland; J. W. Palmer, Post 135, Waldoboro. **Delegates to 69th National Encampment**—*Delegate-at-Large*, T. N. Ayer, Post 59, Damariscotta.

Maine Sportsmen's Fish and Game Association

Officers—*President*, Charles A. Gregory, Bangor; *Secretary-Treasurer*, L. W. Somers, Bangor; *Vice Presidents*, Charles Z. Southard, Groton, Mass.; Sherman Douglas, Lamoine; Horace W. Chapman, Bangor; Arthur Crafts, Greenville; L. L. Bean, Freeport; Harold Schnurle, Portland; *Executive Committee*, John G. Coburn, Lewiston; James Byrne, Damariscotta; L. O. Barrows, Newport; A. C. T. Wilson, Presque Isle; L. W. Somers, Bangor; Harry Greene, Waterville; Leon Timberlake, Portland; William H. Rowe, West Buxton; Dr. C. B. Benn, Houlton; O. G. Hill, Bingham; K. F. Lee, Winthrop; E. E. Haskell, North Anson.

Election of officers annually in January.

COURT DIRECTORY AND COUNTY OFFICERS

County Commissioners

Androscoggin—Gedeon Vallee, Lewiston; Chester E. Chipman, Poland; Henry O. Cloutier, Lewiston. *Aroostook*—George R. Umphrey, Washburn; Pierre A. Cyr, Grand Isle; Lester F. Ellis, Houlton. *Cumberland*—William H. Cram, Windham; Thomas C. Likely, Portland; Charles B. Clarke, Portland. *Franklin*—Leon H. Davis, Jay; Walter S. Toothaker, Phillips; George H. Thomas, Chesterville. *Hancock*—George L. Beck, Deer Isle; Arthur B. Holt, Gouldsboro; Howard B. Moor, Ellsworth. *Kennebec*—Earl F. Hodgkins, Gardiner; Daniel E. Foster, Augusta; C. I. Davis, Waterville. *Knox*—Foy W. Brown, North Haven; Adin L. Hopkins, Camden; E. Stewart Orbeton, Rockport. *Lincoln*—Lincoln M. Harris, Boothbay Harbor; George A. Huston, Bristol; Alfred B. Chaput, Nobleboro. *Oxford*—Lewis E. Small, Mexico; Hugh D. Thurston, Bethel; Chester C. Eastman, Fryeburg. *Penobscot*—Boyd N. Harrington, Patten; Herbert W. Leach, Charleston; Frank S. Morse, Bangor. *Piscataquis*—Millard W. Smart, Sangerville; W. Lawrence Doble, Milo; Henry S. Knight, Monson. *Sagadahoc*—George M. Stinson, Woolwich; Roscoe G. Bailey, Bath; Joseph W. Randlette, Richmond. *Somerset*—Henry Crowell, Skowhegan; Lee W. Foss, Athens; Simeon J. Whitney, Bingham. *Waldo*—Hiram O. Burgess, Belfast; Lewis P. Kingsbury, Frankfort; Clarence A. Paul, Belfast. *Washington*—Edwin Cummings, Jonesport; John C. McFaul, Calais; Hammond T. Flynn, Machiasport. *York*—Arthur L. Hayes, Limerick; Clarence L. Hussey, Berwick; Clarence S. Lombard, Saco.

Registers of Deeds

Androscoggin—Raymond J. Levesque, Lewiston; *Aroostook*—(Northern Dist.) Alva Thibodeau, Fort Kent; (Southern Dist.) Florence I. Wheaton, Houlton; *Cumberland*—A. Maude Carville, Portland; *Franklin*—George D. Clark, Farmington; *Hancock*—George R. Hadlock, Cranberry Isles; *Kennebec*—Arthur N. Douglas, Farmingdale; *Knox*—Albert Winslow, Rockland; *Lincoln*—Norris A. Miller, Wiscasset; *Oxford*—(Eastern Dist.) Harvey E. Powers, So. Paris; (Western Dist.), Olive L. Goldthwaite, Fryeburg; *Penobscot*—Warren E. Craig, Bangor; *Piscataquis*—Arthur C. Dyer, Dover-Foxcroft; *Sagadahoc*—Hiram T. Stevens, Bath; *Somerset*—John W. Higgins, Skowhegan; *Waldo*—Louise Royal, Belfast; *Washington*—Geneva E. Jasper, East Machias; *York*—Alice B. Vallely, Sanford.

Sheriffs

Androscoggin—Ralph J. Riley, Livermore Falls; *Aroostook*—Jasper S. Lycette, Caribou; *Cumberland*—Henry E. Burnell, Baldwin; *Franklin*—Willis R. Leavitt, Farmington; *Hancock*—Harold R. Hodgkins, Bar Harbor; *Kennebec*—Willis B. Crosby, Vassalboro; *Knox*—C. Earle Ludwick, Rockland; *Lincoln*—Arthur R. Greenleaf, Boothbay Harbor; *Oxford*—William O. Frothingham, Paris; *Penobscot*—John K. Farrar, Bangor; *Piscataquis*—Thomas L. Foulkes, Brownville; *Sagadahoc*—Albert Henderson, Bowdoinham; *Somerset*—Martin J. Gallant, Madison; *Waldo*—Hiram O. Burgess, Belfast; *Washington*—James A. Cummings, Eastport; *York*—Charles H. Goodwin, Saco.

County Attorneys

Androscoggin—Frank T. Powers, Lewiston; *Aroostook*—George B. Barnes, Houlton; *Cumberland*—Walter M. Tapley, Jr., Portland; *Franklin*—Earl L. Wing, Kingfield; *Hancock*—Percy T. Clarke, Stonington; *Kennebec*—Francis H. Bate, Winthrop; *Knox*—Jerome C. Burrows, Rockland; *Lincoln*—Weston M. Hilton, Damariscotta; *Oxford*—E. Walker Abbott, So. Paris; *Penobscot*—John T. Quinn, Bangor; *Piscataquis*—John Powers White, Guilford; *Sagadahoc*—Ralph O. Dale, Bath—*Somerset*—Clayton E. Eames, Skowhegan; *Waldo*—Hillard H. Buzzell, Belfast; *Washington*—Oscar H. Dunbar, Machias; *York*—Robert B. Seidel, Biddeford.

County Treasurers

Androscoggin—Raynaldo Simpson, Lewiston; *Aroostook*—Edith M. Dill, Houlton; *Cumberland*—Ellie K. Hawes, Westbrook; *Franklin*—Rockwell B. Flint, Farmington; *Hancock*—Walter J. Clark, Jr., Ellsworth; *Kennebec*—Chester C. Fowles, Augusta; *Knox*—Irving Lawton Bray, Rockland; *Lincoln*—Joseph F. Chapman, Damariscotta; *Oxford*—Harry M. Shaw, Paris; *Penobscot*—Bird F. Cole, Bangor; *Piscataquis*—Herbert C. Sawyer, Dover-Foxcroft; *Sagadahoc*—Edwin C. Patten, Topsham; *Somerset*—John H. Lancaster, Skowhegan; *Waldo*—Fuller C. Wentworth, Belfast; *Washington*—Elmer E. Bowles, Machias; *York*—Harold B. Emery, Limington.

COURT, DIRECTORY AND COUNTY OFFICERS—(Continued)

Judges of Courts of Probate

Androscoggin—Fred H. Lancaster, Auburn; *Aroostook*—Ira G. Hersey, Houlton; *Cumberland*—Carroll S. Chaplin, Portland; *Franklin*—John A. Sweet, Jr., Farmington; *Hancock*—Arthur W. Patterson, Castine; *Kennebec*—Harold E. Cooke, Gardiner; *Knox*—Melzer T. Crawford, Camden; *Lincoln*—John W. Brackett, Boothbay Harbor; *Oxford*—Peter M. MacDonald, Rumford; *Penobscot*—William M. Warren, Bangor; *Piscataquis*—William A. Burgess, Dover-Foxcroft; *Sagadahoc*—Walter S. Glidden, Bath; *Somerset*—Charles O. Small, Madison; *Waldo*—Ellery Bowden, Winterport; *Washington*—Lynn C. Haycock, Cherryfield; *York*—Harry B. Ayer, Saco.

Registers of Probate

Androscoggin—Fernand Despins, Lewiston; *Aroostook*—Parker P. Burleigh, Houlton; *Cumberland*—Henry A. Peabody, Portland; *Franklin*—Kenneth A. Rollins, Farmington; *Hancock*—Clara E. Mullan, Ellsworth; *Kennebec*—Ralph W. Leighton, Augusta; *Knox*—Charles L. Veazie, Rockport; *Lincoln*—Elden P. Munsey, Wiscasset; *Oxford*—Fred W. Rowell, Norway; *Penobscot*—Ruth M. Sinnott, Bangor; *Piscataquis*—Harriett D. Gray, Dover-Foxcroft; *Sagadahoc*—John L. Jack, Topsham; *Somerset*—Lena M. Wyman, Skowhegan; *Waldo*—Arthur W. Leonard, Morrill; *Washington*—Emily G. Bradbury, Machias; *York*—Linwood J. Goodwin, Sanford.

Clerks of the Supreme Judicial and Superior Courts

Androscoggin—James E. Philoon, Auburn; *Aroostook*—Walter B. Clark, Houlton; *Cumberland*—Linwood F. Crockett, Portland; *Franklin*—Byron M. Small, Farmington; *Hancock*—Timothy F. Mahoney, Ellsworth; *Kennebec*—Nellie P. Rackliff, Augusta; *Knox*—Milton M. Griffin, Rockland; *Lincoln*—Clarence A. Richards, Damariscotta; *Oxford*—Rupert F. Aldrich, Norway; *Penobscot*—George P. Gould, Bangor; *Piscataquis*—Stacy C. Lanpher, Sebec; *Sagadahoc*—Fred H. Thompson, Bath; *Somerset*—William T. Seekins, Skowhegan; *Waldo*—Herman H. Coombs, Belfast; *Washington*—Frederick Bogue, East Machias; *York*—Frank D. Fenderson, Parsonsfield.

Terms of Probate Court

Androscoggin—At Auburn, on the second Tuesday in each month.
Aroostook—At Houlton, on the third Tuesday of January, March, April, June, September and November. At Caribou, on the third Tuesday of February, May, and October. At Fort Kent, on the third Tuesday of August. At Van Buren, on the third Tuesday of July. At Fort Fairfield, on the third Tuesday of December.
Cumberland—At Portland, first and third Tuesday each mo. except August.
Franklin—At Farmington, on the third Tuesday in each month.
Hancock—At Ellsworth, on the first and second Tuesday in each month.
Kennebec—At Augusta, on the second and fourth Monday in each month except September; in September on the fourth Monday.
Knox—At Rockland, on the third Tuesday of each month.
Lincoln—At Wiscasset, on the first Tuesday in each month, except August.
Oxford—At South Paris, on third Tuesday of each month, except August. At Rumford, on fourth Tuesday in February, May and August, and first Tuesday in November.
Penobscot—At Bangor, on the last Tuesday in each month. Adjourned sessions every Wednesday.
Piscataquis—At Dover, on the first Tuesday in each month.
Sagadahoc—At Bath, on the first and second Tuesday in each month.
Somerset—At Skowhegan, on the second Tuesday in each month.
Waldo—At Belfast, on the second Tuesday in each month.
Washington—At Machias, on the second Tuesday of January, February, March, April, May, July, September, November and December.
York—At Biddeford, on the second Tuesday of January, February, March, April, July, November and December. At Alfred, on the second Tuesday of May, June, August, September and October.

Supreme Judicial Court Stenographers—Fred S. Rand, Augusta; William H. Conforth, Auburn; Cecil Clay, Belfast; Fred L. Hayden, Portland; Fred L. Wilson, Portland; Arthur H. Whitman, Portland.

Superior Court Stenographers—Fred W. Lee, Augusta; Alta Allen Mottram, Lewiston; Kenneth E. Twitchell, Bangor; Edward T. Richardson, Portland.

SUPREME JUDICIAL AND SUPERIOR COURTS

Supreme Judicial Court

CHARLES J. DUNN, Orono, *Chief Justice*

Associate Justices

Guy H. Sturgis	Portland	Charles P. Barnes	Houlton
Sidney St. F. Thaxter	Portland	James H. Hudson	Guilford
	Harry Manser,	Auburn	

Reporter of Decisions, Edward S. Anthoine, Portland

Sessions of Law Court

For the purpose of the law court the state shall constitute one district. The court shall hold eight sessions each year. The time and places of holding the several sessions of the court shall be determined by the chief justice and announced before December first of each year.

Superior Court

Justices

William H. Fisher, Augusta	George L. Emery, Biddeford
George H. Worster, Bangor	Herbert T. Powers, Fort Fairfield
Arthur Chapman, Portland	Edward P. Murray, Bangor
Albert Beliveau, Rumford	

Trial Terms

The trial terms of the superior court shall be held at times and places designated by law.

Androscoggin—At Auburn on the first Tuesdays of January, March, April, June, September and November for civil and criminal business.

Aroostook—At Houlton on the first Tuesdays of April and November for civil and criminal business, and at Caribou on the first Tuesday of February and second Tuesday of September for civil business only.

Cumberland—At Portland on the first Tuesday of every month except July and August; but the criminal business of said county shall be transacted at the terms held on the first Tuesdays of January, May and September, together with civil business. The January, May and September terms of said court may be kept open for criminal business after their final adjournment for civil business.

Franklin—At Farmington on the second Tuesday of February, second Tuesday of May and second Tuesday of October.

Hancock—At Ellsworth on the second Tuesdays of April and September.

Kennebec—At Augusta on the first Tuesdays of February, April, June and October, but the criminal business of said county shall be transacted at the terms held on the first Tuesdays of February, June and October, together with civil business.

Knox—At Rockland on the second Tuesday of February and the first Tuesdays of May and November.

Lincoln—At Wiscasset on the second Tuesday of May and second Tuesday of November.

Oxford—At Rumford on the first Tuesday of March and at Paris on the first Tuesday of November and on the second Tuesday of June.

Penobscot—At Bangor, on the first Tuesdays of January, April, September and November and the criminal business of said county shall be transacted at the terms held on the first Tuesdays of January, April and September, together with civil business.

Piscataquis—At Dover-Foxcroft on the second Tuesdays of March and September.

Sagadahoc—At Bath on the second Tuesday of January, the second Tuesday of June and the third Tuesday of October.

Somerset—At Skowhegan on the second Tuesday of January, the second Tuesday of May and the second Tuesday of September.

Waldo—At Belfast on the first Tuesday of January, the second Tuesday of April and the second Tuesday of October.

Washington—At Machias on the second Tuesday of February and the second Tuesday of October and at Calais on the second Tuesday of June.

York—At Alfred on the second Tuesday of January and on the first Tuesdays of May and October.

INSTITUTIONS OF A PUBLIC NATURE

Augusta State Hospital, Augusta—*Supt.*, Forrest C. Tyson, M. D.; *Steward and Treasurer*, William H. Deering.

Bangor State Hospital, Bangor—*Supt.*, Carl J. Hedin, M. D.; *Steward and Treasurer*, William Thompson.

Pownal State School, West Pownal—*Supt.*, Stephen Vosburgh, M. D.

Maine Institution for the Blind, Portland—*Officers*—*President*, Convers E. Leach; *1st Vice President*, J. Putnam Stevens; *2nd Vice President*, Nina Drummond Smart; *Secretary*, Stephen E. Cordwell; *Treasurer*, Harry G. Eastman; *Superintendent*, James F. Macy.

State Reformatory for Women, Skowhegan—*Officers*—*Superintendent*, Mrs. Mary Woodbury Libby.

State Reformatory for Men, South Windham—*Officers*—*Superintendent*, Elmer B. Pratt.

Board of Veterinary Examiners—Paul R. Baird, Waterville; Charles L. Ryan, Dexter.

Board of Examiners to Regulate the Practice of Embalming—Frank E. Dillingham, Auburn; Aubrey B. Call, Pittsfield; Frederic J. Flaherty, Portland; *Secretary*, George H. Coombs, M.D., Director of Health, Waldoboro.

Maine State Board of Registration and Examination in Optometry—George McL. Presson, Farmington; Harry J. Covelle, Bangor; Romain J. Marcoux, Lewiston; Linwood W. Easton, Portland; Hervey R. Emery, Bucksport.

Board of Registration of Nurses—Agnes Nelson, Portland; Theresa R. Anderson, Augusta; Margaret Hebert, Gardiner; Eleanor Campbell, Portland; C. Maude Culton, Portland.

Central Maine General Hospital, Lewiston—*Officers*—*President*, Samuel Stewart; *Secretary*, Frank Owen Stephens; *Treasurer*, Chas. A. Litchfield. *Directors*—*Elected by the Corporation*, William H. Clifford, W. Scott Libbey, Jr., Samuel Stewart, Paul L. Bean, Charles Ault, E. Farrington Abbott, Ernest Saunders, Willis A. Trafton, William B. Skelton, Chas. A. Litchfield, Frank S. Hoy, Gilbert D. Harrison, Walter L. Gray, Henry G. Lombard, Benjamin Jones, Frank Owen Stephens, Mrs. B. G. W. Cushman, Mrs. A. L. Kavanagh. *Chairman of Board*, Samuel Stewart.

Maine General Hospital, Portland—*Officers*—*President*, Sidney St. F. Thaxter, Portland; *Treasurer*, Phillips M. Payson, Portland; *Secretary*, John F. Dana, Portland. *Directors*—*Elected by the Corporation*—Harry M. Verrill, William W. Thomas, Robert Braun, Franklin Lawrence, John F. Dana, Walter G. Davis, Phillips M. Payson, Simmons Brown, Portland. *App. by the Board of Visitors*, Sidney St. Felix Thaxter, Mrs. Allan Stevens, Mrs. Eleanor S. Thompson, Scott Wilson, Portland.

Director, Stephen S. Brown, M. D., Portland.

Maine Eye and Ear Infirmary—*Officers*—*President*,

.....; *Vice-Presidents*, Harry C. Josselyn and Leon V. Walker, Portland; *Secretary*, Robert Hale, Portland; *Treasurer*, Theodore K. Thurston, Portland; *Asst. Treasurer*, Warren B. King, Portland; *President Board Trustees*, Leon V. Walker, Portland; *Executive Surgeon*, E. E. Holt, Jr., Portland; *Pathologist*, Dr. Mortimer Warren, Portland.

Supt. of Nurses, Eleanor F. Campbell, R. N.

University of Maine

Board of Trustees—Harmon G. Allen, Sanford, *President*; Hosea B. Buck, Bangor; Frank P. Washburn, Perry; Eugene B. Sanger, Bangor; John T. Gyger, Cumberland; Thomas E. Houghton, Clerk, Ft. Fairfield; Edward E. Chase, Cape Elizabeth; Raymond W. Davis, Guilford; Bertram E. Packard, Commissioner of Education (ex-officio).

Chairmen Boards of Registration—*Auburn*—Herbert J. Maillet; *Augusta*—Fred W. Libby; *Bangor*—Francis W. Hill; *Bath*—Arthur K. Purington; *Belfast*—Marathon Doak; *Biddeford*—Ernest Petit; *Brewer*—Samuel H. Woodbury; *Calais*—Henry W. Gillispie; *Eastport*—Walter J. Garmett; *Ellsworth*—Frank H. Young; *Gardiner*—Fred A. Munroe; *Lewiston*—Josephine Provost; *Old Town*—William H. Waterhouse; *Portland*—Robert E. Ahern; *Rockland*—John E. Doherty; *Saco*—William L. Streeter.

Commission on the Revision of the Tax Law—Leslie E. McIntire, Waterford; Harvey A. Thompkins, Bridgewater; John F. Blanchard, Wilton; Kenneth M. Sills, Brunswick; Andrew Jackson, Portland; Arthur L. Deering, Orono; Elmer E. Newbert, Augusta; Robert Braun, Portland; David H. Staples, Waterville; Mrs. Harry H. Burnham, Biddeford; Charles Ault, Auburn; Frank Mack, Veazie; Curtis Hutchins, Bangor. *Advisory Committee*—Curtis H. Morrow, Waterville; Albert W. Plummer, Lisbon; Frank Holley, Augusta; William H. Deering, Augusta; William A. Runnells, Hallowell; Leo P. Hinds, Portland; Agnes T. Mantor, Farmington; Bertram E. Packard, Augusta; Philip Morton, Auburn.

STATE OFFICERS AND CLERKS

Governor—LOUIS J. BRANN, Lewiston. Term expires January, 1937.
Secretary, Cecil R. Tanguay; *Stenographer*, Bertha B. McCausland.

The Executive Council—1st District, George C. Lord, Wells; 2nd District, Raymond S. Oakes, Portland; 3rd District, Fred L. Leavitt, Turner; 4th District, Clyde H. Smith, Skowhegan; 5th District, Allen M. Small, Freedom; 6th District, Orman B. Fernandez, Old Town; 7th District, Ernest A. Woodman, Calais; *Messenger*, George W. Leadbetter, Augusta.

Secretary of State—Lewis O. Barrows, Newport; *Deputy*, Robinson C. Tobey, Augusta.

Department of Finance—*Commissioner of Finance and State Purchasing Agent*, William S. Owen, Milo; *State Controller*, William A. Runnels, Hallowell; *Deputy State Purchasing Agent*, John W. Healey; *State Tax Assessor*, Frank H. Holley, Anson; *State Budget Officer*, William H. Deering, Saco; *Supt. of Public Printing*, Joseph P. Grenier, Augusta.

State Auditor—Elbert D. Hayford, Farmingdale.

Treasurer of State—George S. Foster, Ellsworth; *Deputy*, Louis H. Winship, Augusta.

Adjutant General—James W. Hanson, Belgrade; *Assistant*, Charles E. Davis, Augusta.

Attorney General—Clyde R. Chapman, Belfast; *Deputy*, Sanford L. Fogg, Augusta; *Assistants*, Philip D. Stubbs, Strong; LeRoy R. Folsom, Norridgewock.

Commissioner of Education—Bertram E. Packard, Augusta; *Deputy*, Edward E. Roderick, Augusta; *Agent for Secondary Education*, Harrison C. Lyseth, Augusta; *General Agent for Unorganized Territory*, Adelbert W. Gordon, Augusta; *Agent for Rural Education*, Richard J. Libby, Augusta; *Director Vocational Education*, Stephen E. Patrick, Augusta; *Supervisor of Industrial Rehabilitation*, Leroy N. Koonz, Augusta; *Supervisor of Home Economics*, Florence Jenkins, Augusta; *Field Agent for Rural Education*, Mrs. Gladys Spearin, Augusta.

Bank Commissioner—Thomas A. Cooper, Augusta; *Deputy*, J. Franklin Anderson, Gardiner.

State Librarian—Henry E. Dunnack, Augusta; *Assistant*, Theresa C. Stuart, Augusta; *Director Bureau of Library Extension*, Elizabeth Libbey, Augusta.

Forest Commissioner—George H. Gruhn, (Acting) Augusta; *State Entomologist*, Henry B. Peirson, Augusta; *Blister Rust Agent*, Walter O. Frost, Augusta; *District Supervisors*, George A. Faulkner, Robert G. Stubbs, Austin H. Wilkins.

Commissioner of Labor and Industry and State Factory Inspector—Charles O. Beals, Augusta; *Woman Factory Inspector*, Minnie E. Hanley, Lewiston; *Inspector*, Edward K. Sawyer, Vassalboro; *Safety Engineer*, Walter J. Brennan, Augusta.

Commissioner of Agriculture—Frank P. Washburn, Perry; *Chief of Division of Plant Industry*, E. L. Newdick, Augusta; *Chief of Division of Animal Industry*, H. M. Tucker, Yarmouth; *Chief of Division of Markets*, C. M. White, Augusta; *Chief of Division of Inspection*, A. M. G. Soule, Augusta; *Dairy Inspector*, Clayton P. Osgood, Fryeburg; *Assistant Dairy Inspector*, Luther H. Lawrence, Augusta; *Sheep Specialist*, C. H. Crawford, Dexter; *Assistant Chief of Division of Markets*, Fred C. Sturtevant, Hebron; *Field Agent, Gypsy Moth Work*, M. H. McIntire, York Village; *Horticulture*, Stanley L. Painter, Orono; *Field Agent, Seed Certification*, Charles A. Stetson, Caribou.

Department of Health and Welfare—*Commissioner*, George W. Leadbetter, Augusta; *Director of Health*, George H. Coombs, Waldoboro; *Director of Social Welfare*, Norman W. MacDonald, Bar Harbor; *Director of Institutional Service*, Howard C. Hanscom, Damariscotta; *Director Hygienic Laboratory*, Arch H. Morrell, M. D., Portland; *Director Division Vital Statistics*, Florence S. Choate, Augusta; *Director Division Sanitary Engineering*, Elmer W. Campbell, D. P. H., Hallowell; *Director Division Public Nursing and Child Hygiene*, Edith L. Soule, R. N., Augusta; *Director Division of Dental Hygiene*, Dorothy Bryant, D. H., Augusta.

Public Utilities Commission—*Chairman*, Albert J. Stearns, Norway; *Herbert W. Trafton*, Fort Fairfield; *Edward Chase*, Baring; *Clerk*, George F. Giddings, Augusta; *Chief Engineer*, John E. Goodwin, Augusta; *Chief Accountant*, Albert E. Lamb, Augusta; *Chief of Rates*, Frank J. McArdle, Hallowell; *Chief Inspector*, Elmer E. Parkman, Augusta; *Reporter*, Ruel C. Hanks, Augusta.

Maine State Police—*Chief*, James W. Hanson, Belgrade; *Deputy*, Joseph F. Young, Jr., Augusta.

State Officers and Clerks (Continued)

Advisory Council of Health and Welfare—Sally P. Moses, Bangor; Walter G. Davis, Portland; Helen C. Donahue, Portland; E. V. Call, M. D., Lewiston; George W. Lane, Jr., Auburn.

Industrial Accident Commission—*Chairman*, Donald D. Garcelon, Auburn; Earle L. Russell, Portland; Helen N. Hanson, Calais; *Insurance Commissioner*, Wilbur D. Spencer, Augusta (*ex officio*); *Commissioner of Labor and Industry*, Charles O. Beals, Auburn, (*ex officio*); *Clerk*, Annie M. Chase, Augusta.

Maine Building Committee—Eastern States Exposition—Lawrence H. Carroll, Norway; J. Sherman Douglas, Lamoine; Frank D. Marshall, Portland; John W. Leland, Sangerville; Frank P. Washburn, *Commissioner of Agriculture*, Perry, (*ex officio*).

Insurance Commissioner—Wilbur D. Spencer, Berwick.

Commissioner of Inland Fisheries and Game—George J. Stobie, Waterville; Archer L. Grover, Orono, *Deputy*.

Advisory Council Dept. of Inland Fisheries and Game—Clarence E. Carll, Gorham; Charles P. Kinsman, Augusta; Charles A. Gregory, Bangor; Frank C. King, Bethel; George F. Goodspeed, Wilton; Charles H. Gay, Jonesboro; Maine Hills, Belfast.

Commissioner of Sea and Shore Fisheries Commission—Rodney E. Feyler, Rockland.

Maine Board of Accountancy—C. J. Birkenmayer, Portland; William S. Cole, Bangor; Richard M. Millett, Portland.

Maine State Prison, Thomaston—*Warden*, Edward P. Johnson, Saco; *Deputy Warden*, G. C. Hopkins; *Clerk*, Joseph L. Paquin; *Chaplain*, Rev. J. A. Flynn.

Board of Harbor Commissioners for the Harbor of Portland—Patrick F. Kearney, Portland; Peter M. Costello, So. Portland; Clinton T. Goudy, So. Portland; Albert B. Hall, Portland.

Directors of the Port of Portland—*App. by Governor and Council*, Fred B. Kelsey, Portland; Fred K. Owen, Portland; Clarence E. Stetson, Bangor; Herbert E. Wadsworth, Winthrop; *App. by City Council and City Manager*, Henry F. Merrill, Portland; Harold E. Kimball, Portland, *Secretary*.

Board of Commissioners of Pharmacy—Alfred P. Manson, Gardiner; Adolphe Pivard, Lewiston; Leon H. Marr, Farmington.

Board of Examiners for the Examination of Applicants for Admission to the Bar—Philip G. Clifford, Portland; Oscar H. Dunbar, Machias; Edward F. Merrill, Skowhegan; Bernard Archibald, Houlton; Hiram Willard, Sanford.

Board of Registration of Medicine—Adam P. Leighton, Jr., M. D., Portland; John G. Towne, M. D., Waterville; Robert J. Wiseman, M. D., Lewiston; George R. Hagerthy, M. D., Bar Harbor; Franklin A. Ferguson, M. D., Portland; Ralph D. Simons, M. D., Gardiner.

Board of Osteopathic Examination and Registration—*Chairman*, Sophronia T. Rosebrook, Portland; Olga Helen Gross, Pittsfield; Granville C. Shibles, Westbrook; Albert E. Chittenden, Auburn; William Claire Brown, Waterville.

Board of Dental Examiners—Donald M. Small, Kennebunk; Irving E. Pendleton, Lewiston; Wilbur F. Browne, Brunswick; Alton H. Swett, Portland; William D. Taylor, Mechanic Falls.

State Park Commission—Fred A. Gilbert, Hampden; Raymond E. Rendall, Alfred; Ralph L. Cooper, Belfast; George J. Stobie, *Commissioner of Inland Fisheries and Game*, Waterville, (*ex officio*); George H. Gruhn (*Acting*) *Forest Commissioner*, Augusta, (*ex officio*).

Indian Agents—*Penobscot Tribe*, Flagg Cummings, Eastport; *Passamaquoddy Tribe*, Flagg Cummings, Eastport.

State Board of Arbitration and Conciliation—Edward F. Gowell, Berwick; Charles M. Taylor, Portland; Ernest McLean, Augusta.

Maine Development Commission—Louis J. Brann, *Governor, Chairman*; Frank P. Washburn, *Commission of Agriculture*, Perry; George J. Stobie, *Commissioner of Inland Fisheries and Game*; Newman B. Doyle, Caribou; R. P. Hazzard, Gardiner; George J. Wentworth, Kennebunk; Arthur G. Staples, Auburn; Tobias L. Roberts, Bar Harbor; Harold F. Schnurle, Cape Elizabeth; Herbert L. Swett, Skowhegan.

State Board for the Regulation of Hairdressing and Beauty Culture—Addie C. Adams, Portland; Lillian Chabot, Auburn; George H. Coombs, M. D., *Secretary*.

Maine State Detective Association—*Chief*, Charles Whitworth, Saco; *Deputy Chief*, George A. Sprague, Bangor; *Sec'y-Treas.*, Charles A. Maxwell, Portland. Annual session at Brunswick, October, 1935.

State Officers and Clerks—(Continued)

State Highway Commission—Paul C. Thurston, Bethel; Stillman E. Woodman, Machias; *Chief Engineer*, Lucius D. Barrows, Readfield; *Asst. Engineer State Highways*, Ernest L. Merrill, Gray; *Supt. State Aid Highways*, H. S. Weymouth, Augusta; *Bridge Engineer*, Max L. Wilder, Augusta; *Superintendent of Maintenance*, Albert J. Wiggin, Augusta.

Inspector of Dams and Reservoirs—John E. Goodwin, Augusta.

Inspectors of Fish—Arthur E. Nickerson, Boothbay Harbor; Charles E. King, Lubec, (for town of Warren).

State Historian—Edward K. Gould, Rockland.

Revisor of Statutes—Llewellyn Smith Dunnack, Augusta.

Superintendent of Public Buildings—Charles A. White, Augusta.

Maine School for the Deaf, Portland—*Superintendent*, Louise T. Young.

Farm Lands Loan Commissioners of Maine—Louis J. Brann, Governor; Elbert D. Hayford, State Auditor, Farmingdale; George H. Gruhn, (*Acting*) Forest Commissioner, Augusta; Frank P. Washburn, Commissioner of Agriculture, Perry; Bertram E. Packard, Commissioner of Education, Augusta.

State Probation Officer—Stanley W. McGowan, Portland.

Soldier's Bonus Board—Elbert D. Hayford, Farmingdale; George S. Foster, Ellsworth; James W. Hanson, Mt. Vernon.

Examiner of Podiatrists—E. C. Reed, Portland.

Commissioners for Promotion of Uniformity of Legislation in the United States—Harold H. Murchie, Calais; John P. Deering, Saco; Harry L. Cram, Portland.

Art Commission—Harry S. Coombs, Lewiston; Alexander Bower, Cape Elizabeth; Victor Kahill, Portland.

State Liquor Commission—David Walton, *Chairman*, Auburn.

Milk Control Board—Harold Shaw, *Chairman*, Sanford; Walter H. Perkins, Portland; Wilbur T. Rowell, Holden; John A. Ness, Auburn; Frank P. Washburn, Commissioner of Agriculture, *Secretary*, Perry (*ex officio*).

State Racing Commission—Milton S. Hancock, Casco; Fred Weston, Skowhegan; Clayton H. Steele, Presque Isle.

Commission on the Revision of the Laws relating to the Protection and Taking of Ground Fish—Homer F. Worcester, Jonesport; C. Carroll Blaisdell, Franklin; Charles E. Wheeler, St. George; Frank W. Richardson, South Portland; Neil A. Fogg, Rockland; Frank Ross, Owl's Head; Eugene Loud, Vinalhaven; B. W. Clark, Port Clyde; Frank Noonan, Kennebunkport; Rodney E. Feyler, Thomaston.

Armory Commission—Brigadier General James W. Hanson, *Chairman*, Mount Vernon, (*ex officio*); Brigadier General Albert Greenlaw, 86th Brigade, Augusta; Colonel George E. Fogg, 240th Coast Artillery, Portland; Colonel Spaulding Bisbee, 103d Infantry, Portland; Colonel Herbert L. Bowen, 152d Field Artillery, Bangor.

Board of Chiropractic Examination and Registration—M. R. Fanning, Waterville; R. M. Thomas, Lewiston; Howard E. Tyler, Norway; Earl H. Bubar, Bangor; Edmund M. Bridges, Lewiston.

Board of Veterinary Examiners—Charles L. Ryan, Dexter; Paul R. Baird, Waterville; William E. Fairbanks, Lewiston.

Baxter State Park Commission—Fred P. Bonney, Rangeley; John F. Ward, Millinocket; Louis J. Brann, Governor, Lewiston (*ex officio*); George H. Gruhn (*Acting*) Forest Commissioner, Augusta (*ex officio*); George J. Stobie, Commissioner of Inland Fisheries and Game, Waterville (*ex officio*).

TUBERCULOSIS SANATORIUMS

Western Maine Sanatorium, Hebron—*Superintendent*, Dr. Lester Adams.

Central Maine Sanatorium, Fairfield—*Superintendent*, Dr. Paul Wakefield.

Northern Maine Sanatorium, Presque Isle—*Superintendent*, Dr. Loren F. Carter; *Stewardess and Treasurer*, N. K. McKay.

JUVENILE INSTITUTIONS

State School for Girls, Hallowell—*Superintendent*, Nellie F. Stevens.

State School for Boys, South Portland—*Superintendent*, Grube B. Cornish.

MAINE MOTOR VEHICLE REGISTRATION LAWS

Car Registration—Annually with Secretary of State. Valid until March first of next calendar year.

Fees—25 cents per horse power plus 25 cents for each 100 pounds of the weight of the car if equipped with pneumatic tires. If equipped with solid tires 25 cents extra for each 100 pounds of weight of car. Between September 1 and December 31 in any year, one-half regular fee.

Excise Tax—No motor vehicle can be registered until the excise tax is paid and a receipt for same filed with the Secretary of State.

Driver's License—Issued to persons 15 or over. Applications of persons under 18 years of age must be signed by father, mother, guardian or employer. Fee, \$2. Chauffeur's licenses to persons 18 years or over. Fee, \$3. (Operator's license plus \$1.50).

Speed—Careful and prudent, not greater than is reasonable and proper, having due regard to the traffic, surface and width of the highway and other conditions existing. Prima facie lawful speeds: 15 miles per hour when passing a school and when approaching an intersection of ways; 20 to 25 miles an hour in a business district or built up portion according to control of traffic; 35 miles an hour under all other conditions.

Non-Residents—All passenger cars and trucks of not over 1 1-2 tons carrying capacity may operate in Maine for an unlimited time, excepting those owned and operated by a foreign corporation doing business in the state. Trucks over 1 1-2 tons and passenger cars operating for hire must register before entry.

Zone Privileges. A non-resident owner of a motor truck who has complied with the laws of his state, province or foreign country relating to registration and licensing of motor vehicles and who has a bona fide actual residence in a state, province or foreign country granting like privileges to residents of this state, which residence is located within 15 miles by highway of the border line of this state, may operate such vehicle upon any ways of this state distant not more than 15 miles from the border line of his state, province or country, if application for the registration thereof is made in accordance with the provisions of section 50 of this chapter and a zone fee of \$2.00 is paid and the vehicle is registered by the secretary of state.

Provided, however, that this privilege shall not be granted to motor trucks of a rated carrying capacity of more than 3 tons; and provided, further, that motor trucks having a rated carrying capacity of 1½ tons or less shall be subject to such exemption from registration as is provided for in section 40.

Motor-Trucks—Not over 1000 lbs. carrying capacity, \$10.00; over 1000 lbs. and not over one ton, \$15.00; over one ton and not over two tons, \$20.00; over two tons and not over two and a half tons, \$35.00; over two and a half tons and not over three tons, \$55.00; over three tons and not over four tons, \$80.00; over four tons and not over five tons, \$100.00; over five tons and not over six tons, \$125.00; over six tons and not over seven tons, \$150.00; over seven tons and not over eight tons, \$175.00; over eight tons and not over nine tons, \$200.00; over nine tons and not over ten tons, \$225.00; over ten tons and not over eleven tons, \$250.00; over eleven tons and not over twelve tons, \$275.00; twelve tons and over, \$300.00. Trucks allowed gross weight on four wheels of 24,000 lbs.; weight concentrated on road surface not to exceed 600 lbs. to an inch width of tire; weight of any one axle imparted to road surface not to exceed 18,000 lbs. Truck with six pneumatic tires on eight inch rim may have gross weight of 27,000 lbs., not over 18,000 lbs. per axle. A semi trailer with six pneumatic tires or more may have gross weight of 36,000 lbs., no axle over 18,000 lbs., and not over 600 lbs. per inch width of tire.

No person shall operate, or cause to be operated any truck, tractor, trailer, or semi-trailer, with a load that is more than 20% above that specified in the registration certificate for such vehicle for trucks of capacity of not over four tons; 10% for trucks of capacity of not over six tons; and 5% for trucks of capacity of over six tons.

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